

Equipment meeting eligibility requirements for DEWA Distributed Renewable Resources Generation programme (Shams Dubai)

Non exhaustive list of eligible equipment based on manufacturers' submissions reviewed by DEWA as of below date. Any other equipment meeting the eligibility requirement will be accepted by DEWA in design phase, provided that proof of compliance will be provided.

DISCLAIMER FOR CUSTOMERS

Please note that the information presented in this document provides an overview of the manufacturers and equipment that meet the required standards based on type-test certification. However, this does not constitute an endorsement or warranty of any kind, whether expressed, implied or statutory, including but not limited to warranties of title, merchantability, satisfactory quality, fitness for particular purpose, warranty for performance, professional advice, professional financial guidance, and shall not be relied upon as the only source of information for purchasing, contracting, investment decisions or for executing other binding agreements.

Last updated

Wednesday, October 26, 2022

PV MODULES		
Manufacturer name	Product ID	Description
Aleo Solar GmbH	S18JXXX	250-255W (in steps of 5) Poly crystalline Si
	S19LXXX	280-300W (in steps of 5) Mono crystalline Si
	S19JXXX	265-275W (in steps of 5) Mono crystalline Si
	P18JXXX	250-260W (in steps of 5) Poly crystalline Si
	P19XXX	280-295W (in steps of 5) Poly crystalline Si
	P19LXXX	290-300 W (in steps of 5) Mono crystalline Si
	P19JXXX	290 -300 W (in steps of 5) Mono crystalline Si
	S19LXXX	300-310 W (in steps of 5) Mono crystalline Si
	X59LXXX	300-310 W (in steps of 5) Mono crystalline Si
	X79LXXX	300-310 W (in steps of 5) Mono crystalline Si
Almaden MENA FZE	SEAM 18W - xxx	sc-Si, xxx= 70 - 85 (in step of 5)
	SEAM 18T - xxx	sc-Si, xxx= 70 - 85 (in step of 5)
	SEAM 36W - xxx	sc-Si, xxx= 145 - 175 (in step of 5)
	SEAM 36T - xxx	sc-Si, xxx= 145 - 175 (in step of 5)
	SEAM 40W - xxx	sc-Si, xxx= 155 - 195 (in step of 5)
	SEAM 40T - xxx	sc-Si, xxx= 155 - 195 (in step of 5)
	SEAM 42W - xxx	sc-Si, xxx= 155 - 205 (in step of 5)
	SEAM 42T - xxx	sc-Si, xxx= 155 - 205 (in step of 5)
	SEAM 48W - xxx	sc-Si, xxx= 180 - 230 (in step of 5)
	SEAM 48T - xxx	sc-Si, xxx= 180 - 230 (in step of 5)
	SEAM 50W - xxx	sc-Si, xxx= 200 - 240 (in step of 5)
	SEAM 50T - xxx	sc-Si, xxx= 200 - 240 (in step of 5)
	SEAM 54W - xxx	sc-Si, xxx= 205 - 260 (in step of 5)
	SEAM 54T - xxx	sc-Si, xxx= 205 - 260 (in step of 5)
	SEAM 60W - xxx	sc-Si, xxx= 225 - 290 (in step of 5)
	SEAM 60T - xxx	sc-Si, xxx= 225 - 290 (in step of 5)
	SEAM 66W - xxx	sc-Si, xxx= 250 - 320 (in step of 5)
	SEAM 66T - xxx	sc-Si, xxx= 250 - 320 (in step of 5)
	SEAM 72W - xxx	sc-Si, xxx= 275 - 350 (in step of 5)
	SEAM 72T - xxx	sc-Si, xxx= 275 - 350 (in step of 5)
	SEAP 18W- xxx	mc-Si, xxx= 70 - 85 (in step of 5)
	SEAP 18T- xxx	mc-Si, xxx= 70 - 85 (in step of 5)
	SEAP 36W- xxx	mc-Si, xxx= 145 - 170 (in step of 5)
	SEAP 36T- xxx	mc-Si, xxx= 145 - 170 (in step of 5)
	SEAP 40W- xxx	mc-Si, xxx= 155 - 185 (in step of 5)
	SEAP 40T- xxx	mc-Si, xxx= 155 - 185 (in step of 5)
	SEAP 42W- xxx	mc-Si, xxx= 155 - 195 (in step of 5)
	SEAC 72W- xxx	sc-Si,xxx= 375 - 390 (in step of 5)
	SEAC 72T- xxx	sc-Si,xxx= 375 - 390 (in step of 5)
	SEAC 72B- xxx	sc-Si,xxx= 375 - 390 (in step of 5)
	SEAC 60W - xxx	sc-Si,xxx= 315 - 330 (in step of 5)
	SEAC 60T - xxx	sc-Si, xxx= 315 - 330 (in step of 5)
	SEAC 60B - xxx	sc-Si,xxx= 315 - 330 (in step of 5)
	SEAC 72W- xxx	sc-Si, xxx= 375 - 395 (in step of 5)
	SEAC 72T- xxx	sc-Si, xxx= 375 - 395 (in step of 5)
	SEAC 72B- xxx	sc-Si, xxx= 375 - 395 (in step of 5)
	SEAC 60W - xxx	sc-Si, xxx= 315 - 330 (in step of 5)
	SEAC 60T - xxx	sc-Si, xxx= 315 - 330 (in step of 5)
	SEAC 60B - xxx	sc-Si, xxx= 315 - 330 (in step of 5)

PV MODULES

Manufacturer name	Product ID	Description
	SEAP 42T- xxx	mc-Si, xxx= 155 - 195 (in step of 5)
	SEAP 48W- xxx	mc-Si, xxx= 175 - 225 (in step of 5)
	SEAP 48T- xxx	mc-Si, xxx= 175 - 225 (in step of 5)
	SEAP 50W- xxx	mc-Si, xxx= 190 - 235 (in step of 5)
	SEAP 50T- xxx	mc-Si, xxx= 190 - 235 (in step of 5)
	SEAP 54W- xxx	mc-Si, xxx= 200 - 250 (in step of 5)
	SEAP 54T- xxx	mc-Si, xxx= 200 - 250 (in step of 5)
	SEAP 60W- xxx	mc-Si, xxx= 220 - 280 (in step of 5)
	SEAP 60T- xxx	mc-Si, xxx= 220 - 280 (in step of 5)
	SEAP 66W- xxx	mc-Si, xxx= 240 - 310 (in step of 5)
	SEAP 66T- xxx	mc-Si, xxx= 240 - 310 (in step of 5)
	SEAP 72W- xxx	mc-Si, xxx= 295 - 335 (in step of 5)
	SEAP 72T- xxx	mc-Si, xxx= 295 - 335 (in step of 5)
	SEAC 18W - xxx	sc-Si, xxx= 90
	SEAC 18T - xxx	sc-Si, xxx= 90
	SEAC 30W - xxx	sc-Si, xxx= 140 - 155 (in step of 5)
	SEAC 30T - xxx	sc-Si, xxx= 140 - 155 (in step of 5)
	SEAC 36W - xxx	sc-Si, xxx= 170 - 185 (in step of 5)
	SEAC 36T - xxx	sc-Si, xxx= 170 - 185 (in step of 5)
	SEAC 40W - xxx	sc-Si, xxx= 185 - 205 (in step of 5)
	SEAC 40T - xxx	sc-Si, xxx= 185 - 205 (in step of 5)
	SEAC 42W - xxx	sc-Si, xxx= 195 - 215 (in step of 5)
	SEAC 42T - xxx	sc-Si, xxx= 195 - 215 (in step of 5)
	SEAC 48W - xxx	sc-Si, xxx= 220 - 245 (in step of 5)
	SEAC 48T - xxx	sc-Si, xxx= 220 - 245 (in step of 5)
	SEAC 50W - xxx	sc-Si, xxx= 230 - 255 (in step of 5)
	SEAB72W/B/T-xxx	sc-Si, xxx= 335 W
	SEAB72W/B/T-xxx	sc-Si, xxx= 360 W
	SEAB72W/B/T-xxx	sc-Si, xxx= 365 W
	SEAB72W/B/T-xxx	sc-Si,xxx370W
	SEAB66W/B/T-xxx	sc-Si,xxx=325W
	SEAB66W/B/T-xxx	sc-Si,xxx=330W
	SEAB66W/B/T-xxx	sc-Si,xxx=340W
	SEAB60W/B/T-xxx	sc-Si,xxx=295W
	SEAB60W/B/T-xxx	sc-Si,xxx=300W
	SEAB60W/B/T-xxx	sc-Si,xxx=305W
	SEAB60W/B/T-xxx	sc-Si,xxx=310W
	SEAB50W/B/T-xxx	sc-Si,xxx=245W
	SEAB50W/B/T-xxx	sc-Si,xxx=250W
	SEAB48W/B/T-xxx	sc-Si,xxx=235W
	SEAB48W/B/T-xxx	sc-Si,xxx=240W
	SEAB42W/B/T-xxx	sc-Si,xxx=210W
	SEAB42W/B/T-xxx	sc-Si,xxx=215W
	SEAB40W/B/T-xxx	sc-Si,xxx=195W
	SEAB40W/B/T-xxx	sc-Si,xxx=200W
	SEAB36W/B/T-xxx	sc-Si,xxx=175W
	SEAB36W/B/T-xxx	sc-Si,xxx=180W
	SEAB18W/B/T-xxx	sc-Si,xxx=90W
	SEAC 50T - xxx	sc-Si, xxx= 230 - 255 (in step of 5)
	SEAC 54W - xxx	sc-Si, xxx= 245 - 275 (in step of 5)
	SEAC 54T - xxx	sc-Si, xxx= 245 - 275 (in step of 5)
	SEAC 60W - xxx	sc-Si, xxx= 270 - 310 (in step of 5)
	SEAC 60T - xxx	sc-Si, xxx= 270 - 310 (in step of 5)
	SEAC 66W - xxx	sc-Si, xxx= 300 - 340 (in step of 5)
	SEAC 66T - xxx	sc-Si, xxx= 300 - 340 (in step of 5)
	SEAC 72W- xxx	sc-Si, xxx= 325 - 370 (in step of 5)
	SEAC 72T- xxx	sc-Si, xxx= 325 - 370 (in step of 5)
	SHBB 144W- xxx	sc-Si, xxx= 430 - 460 (in step of 5)
	SHBB 144T- xxx	sc-Si, xxx= 430 - 460 (in step of 5)
	SHBB 144B- xxx	sc-Si, xxx= 430 - 460 (in step of 5)
	SHBB 120W- xxx	sc-Si, xxx= 360 - 380 (in step of 5)
	SHBB 120T- xxx	sc-Si, xxx= 360 - 380 (in step of 5)
	SHBB 120B- xxx	sc-Si, xxx= 360 - 380 (in step of 5)
	SHAB 144W- xxx	sc-Si, xxx= 430 - 460 (in step of 5)
	SHBB 144W- xxx	sc-Si, xxx= 545 - 565 (in step of 5)
	SHBB 144T- xxx	sc-Si, xxx= 545 - 565 (in step of 5)
	SHBB 144B- xxx	sc-Si, xxx= 545 - 565 (in step of 5)
	SHBB 120W- xxx	sc-Si, xxx= 455- 470 (in step of 5)
	SHBB 120T- xxx	sc-Si, xxx= 455- 470 (in step of 5)

Almaden MENA FZE

SHBB 120B- xxx		sc-Si, xxx= 455- 470 (in step of 5)
PV MODULES		
Manufacturer name	Product ID	Description
Almaden MENA FZE	SHAB 144T- xxx	sc-Si, xxx= 430 - 460 (in step of 5)
	SHAB 144B- xxx	sc-Si, xxx= 430 - 460 (in step of 5)
	SHAB 120W- xxx	sc-Si, xxx= 360 - 380 (in step of 5)
	SHAB 120T- xxx	sc-Si, xxx= 360 - 380 (in step of 5)
	SHAB 120B- xxx	sc-Si, xxx= 360 - 380 (in step of 5)
Alternative Energy (AE) Solar GmbH.	AExxxM5-36	mono c-Si 90 - 110W, in steps of 5
	AExxxM5-48	mono c-Si 120 - 145W, in steps of 5
	AExxxM5-60	mono c-Si 150 - 180W, in steps of 5
	AExxxM5-72	mono c-Si 180 - 215W, in steps of 5
	AExxxM5-96	mono c-Si 240 - 290W, in steps of 5
	AExxxM6-36	mono c-Si 140 - 165W, in steps of 5
	AExxxM6-48	mono c-Si 185 - 225W, in steps of 5
	AExxxM6-54	mono c-Si 210 - 250W, in steps of 5
	AExxxM6-60	mono c-Si 230 - 280W, in steps of 5
	AExxxM6-72	mono c-Si 280 - 335W, in steps of 5
	AExxxP6-36	Poly-Si 135 - 160W, in steps of 5
	AExxxP6-48	Poly-Si 180 - 215W, in steps of 5
	AExxxP6-54	Poly-Si 205 - 245W, in steps of 5
	AExxxP6-60	Poly-Si 225 - 270W, in steps of 5
AExxxP6-72	Poly-Si 270 - 325W, in steps of 5	
Azimut	AZM606/xxxP	210-275, in step of 5 Polycrystalline
	AZM666/xxxP	245-300, in step of 5 Polycrystalline
AVANCIS GmbH	PowerMax 3.5	CIGS (130 - 145, in step of 5W)
Anhui Schutten Solar Energy Co.Ltd	STP6-XXX/72	sc-Si, mc-Si 245-300W, in steps of 5
	STP6-XXX/60	sc-Si, mc-Si 205-250W, in steps of 5
	STP6-XXX/54	sc-Si, mc-Si 185-225W, in steps of 5
	STP6-XXX/48	sc-Si, mc-Si 165-200W, in steps of 5
	STP6-XXX/36	sc-Si, mc-Si 125-150W, in steps of 5
	STM6-XXX/72	sc-Si, mc-Si 245-300W, in steps of 5
	STM6-XXX/60	sc-Si, mc-Si 205-250W, in steps of 5
	STM6-XXX/54	sc-Si, mc-Si 185-225W, in steps of 5
	STM6-XXX/48	sc-Si, mc-Si 165-200W, in steps of 5
	STM6-XXX/36	sc-Si, mc-Si 125-150W, in steps of 5
Aplicaciones Tecnicas De La Energia S.L. (Atersa)	A-255P	Poly crystalline 255W
	A-260P	Poly crystalline 260W
	A-305P	Poly crystalline 305W
	A-310P	Poly crystalline 310W
	A-315P	Poly crystalline 315W
	A-255M	Mono crystalline 255W
	A-260M	Mono crystalline 260W
	A-265M	Mono crystalline 265W
	A-305M	Mono crystalline 305W
	A-310M	Mono crystalline 310W
A-315M	Mono crystalline 315W	
Axitec Energy GmbH & CO, KG	AC-260P/156-60S	Poly crystalline 260W
	AC-275M/156-60S	Mono crystalline 275W
	AC-310P/156-72S	Poly crystalline 310W
AUO TECHNOLOGY/ BENQ SOLAR	PM096BXxx-XXX	mc-s i320-335 W, in step of 5
BYD	BYD P6C-36	255-315 W sc-Si Poly crystalline
	BYD P6C-30	255-315 W sc-Si Poly crystalline
	BYD 340W P6C-36	MC-SI 340W/ 265-340W
	BYD P6C-30	255-315 W sc-Si Poly crystalline
BHEL	L20220P	Poly crystalline, (215-265 Wp) ,in step of 1
	L24270P	Poly crystalline, (260 - 320 Wp),in step of 1
Calyxo GmbH	CX3-70	CdTe 70W
	CX3-72	CdTe 72W
	CX1	70W-80W
	CX3	72W-87W
	Cx3pro	72W-90W
	Cxpro/2	80W-90W
PV MODULES		
Manufacturer name	Product ID	Description
	CS6P250P	Poly crystalline-Si 250W
	CS6P255P	Poly crystalline-Si 255W
	CS6P260P	Poly crystalline-Si 260W
	CS6P260M	Monocrystalline silicon 260W
	CS6P265M	Monocrystalline silicon 265W

Canadian Solar	<p>CS6P270M CS6X305P CS6X310P CS6X315P CS6K-xxxP-FG CS6X-xxxP-FG CS6K-XXX-MS CS3K-xxxMS CS3K-xxxP CS3K-xxxP CS3U-xxxMS CS3U-xxxP CS3U-xxxP CS6K-xxxM CS6U-xxxM CS6X-xxxP CS6U-xxxP CS6K-XXX-P CS3U-xxxPB-FG CS3U-xxxMB-FG CS3W-xxxMS CS3W-xxxP CS3K-320MS CS3U-xxxP CS6K-xxxMS CS6U-xxxP CS3U-xxxP-FG CS3W-xxxMB-AG CS3W-xxxP CS3W-xxxMS CS3Y-XXXMS CS3Y-xxxMB-AG CS6W-xxxMS CS7L-xxxMS CS7N-xxxMS CS3W-xxxMB-AG CS7L-xxxMS-R</p>	<p>Monocrystalline silicon 270W Poly crystalline-Si 305W Poly crystalline-Si 310W Poly crystalline-Si 315W Poly crystalline-, xxx=260-275, in step of 5 Poly crystalline-, xxx= 315-330, in step of 5 Mono-crystalline Silicon, xxx=290-300 W, in step of 5 Mono-crystalline Silicon, xxx=300-315W in step of 5 Poly-crystalline Silicon, xxx=275-290W in step of 5 Poly-crystalline Silicon, xxx= 285-300W, in step of 5 Mono-crystalline Silicon, xxx= 360-400W, in step of 5 Poly-crystalline Silicon, xxx= 330-345W, in step of 5 Poly-crystalline Silicon, xxx= 345-360W, in step of 5 Mono-crystalline Silicon, xxx= 275-290W, in step of 5 Mono-crystalline Silicon, xxx= 330-345W, in step of 5 Poly-crystalline Silicon, xxx= 310-325, in step of 5 Poly-crystalline Silicon, xxx= 325-340W, in step of 5 Poly-crystalline Silicon, xxx= 265-275W,in step of 5 Poly-crystalline Silicon, xxx=350-360 Wp in step of 5 Mono-crystalline Silicon, xxx=360-375 Wp in step of 5 Mono-crystalline Silicon, xxx=425-450 W, in step of 5 Poly-crystalline Silicon, xxx=390-415 Wp in step of 5 Mono-crystalline Silicon, 320 Wp Poly-crystalline Silicon, xxx=365-385 Wp in step of 5 Mono-crystalline Silicon, xxx=305-310 Wp in step of 5 Poly-crystalline Silicon, xxx=350-355 Wp in step of 5 Poly-crystalline Silicon, xxx=335-370 Wp in step of 5 mono-crystalline,xxx=420-445W, in step of 5 poly-crystalline,xxx=420-450W, in step of 5 mono-crystalline,xxx=455-460W, in step of 5 mono-crystalline,xxx=475-500W. In step of 5 mono-crystalline,xxx=465-490W , in step of 5 mono-crystalline,xxx=525-550W, in step of 5 mono-crystalline,xxx=xxx=580-605W , in step of 5 mono-crystalline,xxx=xxx=640-665W , in step of 5 Mono-crystalline Silicon,xxx=450-460W, in step of 5 Mono-crystalline Silicon,xxx=580-610W, in step of 5</p>	
Caterpillar	<p>PVT110 PVT115 PVT117</p>	<p>CdTe 110W CdTe 115W CdTe 117W</p>	
Chinaland Solar energy Co.Ltd.	<p>CHN250 - 60P CHN260 - 60P CHN300 - 72P CHN310 - 72P CHNXXX-72P CHNXXX-60P CHNXXX-72M CHNXXX-60M SUNxxx54M-H8 SUNxxx60MD-H6S SUNxxx60MD-H12S SUNxxx60M-H2 SUNxxx60M-H6 SUNxxx66MD-H12S SUNxxx66M-H2 SUNxxx72MD-H6S SUNxxx72MD-H8S SUNxxx72M-H6 SUNxxx72M-H8</p>	<p>sc-Si 250 W sc-Si 260 W sc-Si 300 W sc-Si 310 W Poly crystalline 315-335, in step of 5W Poly crystalline 265-280, in step of 5W Mono crystalline 330-350, in step of 5W Mono crystalline 275-290, in step of 5W (xxx=390-410, in steps of 5) (xxx=350-380, in steps of 5) (xxx=580-615, in steps of 5) (xxx=580-615, in steps of 5) (xxx=350-385, in steps of 5) (xxx=640-675, in steps of 5) (xxx=640-675, in steps of 5) (xxx=420-455, in steps of 5) (xxx=525-550, in steps of 5) (xxx=420-465, in steps of 5) (xxx=525-550, in steps of 5)</p>	
	<p>CHSM6612P-XXX CHSM6612P-XXX CHSM6612P-xxx CHSM6610P-xxx CHSM6612P/(BL)-xxx CHSM6610P/(BL)-xxx CHSM6612M-xxx CHSM6610M-xxx CHSM6612M/(BL)-xxx CHSM6610M/(BL)-xxx CHSM72M (DG) /F-BH CHSM72M-HC</p>	<p>mc-Si 315, 320 W PC-Si 315-320-325-330-335-340 W mc-Si, 310-375W, in step of 5 mc-Si, 260-310W, in step of 5 mc-Si, 310-375W, in step of 5 mc-Si, 260-310W, in step of 5 sc-Si, 330-390W, in step of 5 sc-Si, 275-325W, in step of 5 sc-Si, 330-390W, in step of 5 sc-Si, 275-325W, in step of 5 sc-si, 440W-445W , in step of 5W sc-si, 445-450W , in step of 5W</p>	

Chint Solar (Zhejiang) Co., Ltd	<p>CHSM 72M-HC -XXX CHSM60M-HC-XXX CHMS6612M/HV-XX CHSM6610M-XXX CHSM6612P-XXX CHSM6610P-XXX CHSM6612P/HV-XXX CHSM6610P/HV-XXX CHSM60P-HC-XXX CHSM72M(DG)-BH-XXX CHSM72M(DG)/F-BH-XXX CHSM72M(DGT)-BH-XXX CHSM72M(DGT)/F-BH-XXX CHSM60M(DG)/F-BH-XXX CHSM60M(DGT)/F-BH-XXX CHSM72M(DG)F-BH CHSM72M-HC CHSM72M(DG)/F-BH CHSM72M-HC CHSM66M(DG)/F-BH CHSM66M-HC</p>	<p>mono-si,xxx=330-455 , in step of 5W mono-si,xxx=275-380, in step of 5W mono-si,xxx=330-390, in step of 5W mono-si,xxx=275-335, in step of 5W mono-si,xxx=310-390 , in step of 5W mono-si,xxx=260-310, in step of 5W mono-si,xxx=310-375, in step of 5W mono-si,xxx=260-310, in step of 5W mono-si,xxx=260-335, in step of 5W mono-si,xxx=365-455 , in step of 5W mono-si,xxx=365-455 , in step of 5W mono-si,xxx=355-445 , in step of 5W mono-si,xxx=355-445 , in step of 5W mono-Si ,xxx=305-380 w, in step of 5W mono-si,xxx=295-370 , in step of 5W sc-si,xxx=535-540W , in step if 5W sc-si, xxx=540-555 in step of 5W Sc-Si xxx=535-540W, in step of 5W Sc-Si xxx=530-550W, in step of 5W Sc-Si xxx=645-660W,in step of 5W Sc-Si xxx=650-665W, in step of 5W</p>
Changzhou EGing Photovoltaic Technology Co., Ltd.	<p>EG-xxxM60-C EG-xxxM72-C EG-xxxP60-c EG-xxxP72-c EG-XXXM84-HEV EG-XXXM78-HEV EG-XXXM72-HEV EG-XXXM60-HEV EG-XXXM72-HLV EG-XXXM60-HLV EG-XXXM54-HLV EG-XXXM66-HUV EG-XXXM60-HUV EG-XXXM54-HUV EG-XXXM84-HE/BF-DG EG-XXXM78-HE/BF-DG EG-XXXM72-HE/BF-DG EG-XXXM60-HE/BF-DG EG-XXXM72-HL/BF-DG EG-XXXM60-HL/BF-DG EG-XXXM54-HL/BF-DG EG-XXXM66-HU/BF-DG EG-XXXM60-HU/BF-DG EG-XXXM54-HU/BF-DG</p>	<p>Mono-crystalline Silicon 200-320W Mono-crystalline Silicon 240-385W Poly-crystalline Silicon 200-290W Poly-crystalline silicion 235-350W xxx=500-535, in steps of 5, 168 cells xxx=465-495, in steps of 5, 156 cells xxx=425-460, in steps of 5, 144 cells xxx=350-380, in steps of 5, 120 cells xxx=510-550, in steps of 5, 144 cells xxx=425-465, in steps of 5, 120 cells xxx=385-425, in steps of 5, 108 cells xxx=640-670, in steps of 5, 132 cells xxx=540-620, in steps of 5, 120 cells xxx=490-555, in steps of 5, 108 cells xxx=500-535, in steps of 5, 168 cells xxx=465-495, in steps of 5, 156 cells xxx=425-460, in steps of 5, 144 cells xxx=350-380, in steps of 5, 120 cells xxx=510-550, in steps of 5, 144 cells xxx=425-465, in steps of 5, 120 cells xxx=385-425, in steps of 5, 108 cells xxx=640-675, in steps of 5, 132 cells xxx=540-605, in steps of 5, 120 cells xxx=490-545, in steps of 5, 108 cells</p>
CW Enerji	<p>CWTXXX-72P CWTXXX-60P CWTXXX-72PM CWTXXX-60PM</p>	<p>Poly Crystalline, xxx=305-335W, in step of 5 Poly Crystalline, xxx=260-280W, in step of 5 Mono Crystalline (PERC), xxx=265-385W, in step of 5 Mono Crystalline (PERC), xxx=220-320W, in step of 5</p>
RECOM AG	<p>RCM-xxx-6MB RCM-xxx-6PB RCM-xxx-6PB RCM-xxx-6PB-c-de-f RCM-xxx-6PA-SW RCM-xxx-6PA-SW RCM-xxx-6PA-SW</p>	<p>MONO-Si 250-280W Poly-Si 240-260W sc-Si 240-280W sc-Si 240-280 290 to 305 W , in step of 5 310 to 340 W, in step of 5 345 to 350 W, in step of 5</p>
PV MODULES		
Manufacturer name	Product ID	Description
duSol	<p>DS60250W DS72300W DS60270W DS60260W DS72200W DS72225W DS72175W DS36150W DS36100W DS36125W DS3675W DS3650w</p>	<p>Mc-Si 250W Mc-Si 300W MC-Si 270W Mc-Si 260W Mc-Si 200W Mc-Si 225W Mc-Si 175W MC-Si 150W Mc-Si 100W Mc-Si 125W Mc-Si 75W Mc-Si 50W</p>

	DS3640w DS572xxxM DS572xxxM DS560xxxM DS536xxxM DS572xxx DS560xxx DS536xxx DS536xxx	Mc-si 40w sc-si,xxx=311W sc-si,xxx=315-380W, in step of 5W sc-si,xxx=260-315W, in step of 5W sc-si,xxx=155-190W, in step of 5W sc-si,xxx=293, 295-355,358W, in step of 5W sc-si,xxx=245-295W, in step of 5W sc-si,xxx=179W sc-si,xxx=150-175W, in step of 5W
DCH Energy GmbH	DCH-6BM1/60 DCH-6BM1/72 DCH-6M/60 DCH-6M1/60 DCH-6M1/72 DCH-6P/60 DCH-6P/72 DCH-H6BM1/60 DCH-H6BM1/72 DCH-H6M1/60 DCH-H6M1/72	Sc-Si,xxx=300-325W (in step of 5) Sc-Si,xxx=360-390W (in step of 5) Sc-Si,xxx=270-295W (in step of 5) Sc-Si,xxx=290-315W (in step of 5) Sc-Si,xxx=345-380W (in step of 5) Sc-Si,xxx=260-285W (in step of 5) Sc-Si,xxx=310-345W (in step of 5) Sc-Si,xxx=310-330W (in step of 5) Sc-Si,xxx=370-395W (in step of 5) Sc-Si,xxx=295-320W (in step of 5) Sc-Si,xxx=350-385W (in step of 5)
Desert Technologies Factory CJSC	DTMPxxx-60/5BB.BLK	sc-Si,xxx=285-295W, in step of 5W
ECONESS ENERGY	EN156-M-60-265 EN156-M-72-315 EN156-P-60-250 EN156M-60-XXX EN156M-72-XXX EN156P-60-XXX EN156P-72-XXX EN156-P-72-300	Mono crysalline 265W Mono crysalline 315W Poly crystalline 250W SC-Si,215W-280W (in step of 5) SC-Si,260W-340W (in step of 5) MC-Si,210W-280W (in step of 5) MC-Si,255W-340W (in step of 5) Poly crystalline 300W
Eging Photovoltaic Technology Co.Ltd	EG-xxxP60-C EG-xxxP72-C	Sc-Si 200-255W Sc-Si 245-305W
Einnova Solarline	ES-P672xxxYZ	Sc-Si 250/260/300/310 W
ET solar Industry limited	ET-P660 Series ET-P672 Series ET-M660 Series ET-M672 Series	Poly-Si 250-265W Poly-Si 300-315W Mono-si 255-270W Mono-si 305-320W
EMMVEE Photovoltaic power private Limited	EXXXP72 EXXXP60 EXXXM72 EXXXM60	mc-Si, Mono Perc, xxx=295-335W mc-Si, Mono Perc, xxx=240-280W sc-Si, Mono Perc, xxx=375-395W, in step of 5W sc-Si, Mono Perc, xxx=310-325W, in step of 5W
First Solar	FS-4110-2 FS-4107A-2 FS-4110A-2 FS-4112A-2 FS-4112-2 FS-4105A-2 FS-4107-2 FS-4102A-2 FS-4105-2 FS-4102-2 FS-4xxx-3 FS-4xxxA-3 FS-6xxx FS-6xxxA	Cd-Te 110W Cd-Te 107.5W Cd-Te 110W Cd-Te 112.5W Cd-Te 112.5W Cd-Te 105W Cd-Te 107.5W Cd-Te 102.5W Cd-Te 105W Cd-Te 102.5W CdTe 105 - 122.5 W CdTe 105 - 122.5W CdTe 420-445 W, in 5W steps CdTe 420-445 W, in 5W steps
Futurasun	FUXXXM FUXXXM FUXXXP FUXXXP	sc-Si 300-315 Wp sc-Si 245-260 W mc-Si 240-265 Wp mc-Si 295-305 Wp
GCL System Integration Technology Co., Ltd	GCL-P6/72-310 GCL-P6/60-xxx GCL-M6/72HXXX GCL-P6/72HXXX GCL-P6/72-xxx GCL-M6/72GDFxxx	mc-Si 310 W mc-si 260-285W, in step of 5 sc-Si, 365~390W, 0~+5W mc-Si, 335~370W, 0~+5W mc-Si 310-330W, in step of 5 c-Si, 325-390W, in step of 5
General Energy Solutions	7NAC000-06Axxx 7NAC000-06Cxxx 7NAC001-06Axxx 7NAC001-06Cxxx 7NAE001-06Axxx 7NAE001-06Cxxx	mc-Si 215-275W mc-Si 255-330W mc-Si 195-295W mc-Si 235-350W sc-Si 220-300W sc-Si 245-360W

PV MODULES		
Manufacturer name	Product ID	Description
Gintung Energy Corp	GTEC-xxxG6S66	Sc-Si 140-175W ,in steps of 5
	GTEC-xxxG6S68	Sc-Si 190-235 W,in steps of 5
	GTEC-xxxG6S69	Sc-Si 210-265 W,in steps of 5
	GTEC-xxxG6S6A	Sc-Si 230-295 W,in steps of 5
	GTEC-xxxG6S6B	Sc-Si 260-325 W ,in steps of 5
	GTEC-xxxG6S	Sc-Si 280-355 W,in steps of 5
	GTEC-xxxG6M66	Mc-Si 140-175 W,in steps of 5
	GTEC-xxxG6M68	Mc-Si 190 - 235 W,in steps of 5
	GTEC-xxxG6M69	Mc-Si 210 - 265 W,in steps of 5
	GTEC-xxxG6M6A	Mc-Si 230-295 W,in steps of 5
	GTEC-xxxG6M6B	Mc-Si 260-325 W,in steps of 5
	GTEC-xxxG6M	Mc-Si 280-355 W,in steps of 5
GreenBrilliance Energy Pvt. Ltd	GB54P6-XXX	mc-Si 185-225 Wp, in steps of 5
	GB60P6-XXX	mc-Si 230-250 Wp, in steps of 5
	GB72P6-XXX	mc-Si 250-300 Wp, in steps of 5
Goldi Solar PVT. LTD	GOLDI032FXXXXPY12	Sc-Si 140 to 150 Wp, in steps of 5
	GOLDI036FXXXXPY12	Sc-Si 155 to 170 Wp, in steps of 5
	GOLDI048FXXXXPY12	Sc-Si 210 to 225 Wp, in steps of 5
	GOLDI054FXXXXPY12	Sc-Si 235 to255 Wp, in steps of 5
	GOLDI060FXXXXPY24	Sc-Si 260 to 285 Wp, in steps of 5
	GOLDI066FXXXXPY24	Sc-Si 290 to 310 Wp, in steps of 5
	GOLDI072FXXXXPY24	Sc-Si 315 to 350 Wp, in steps of 5
	GOLDI060FXXXXPRC24	Monocrystalline, PERC ,310 to 315 Wp,in steps of 5
	GOLDI072FXXXXPRC24	Monocrystalline, PERC ,380 to 390 Wp, in steps of 5
	GOLDI060FxxxPRC24	Monocrystalline-PERC ,xxx=320-325Wp , in steps of 5
GOLDI072FxxxPRC24	Monocrystalline-PERC,xxx=395-400Wp , in steps of 5W	
HanwhaSolarOne (Qidong) Co., Ltd	HSL72P6-PC-1-XXX	mc-Si (multicrystalline) 250-270 W, in steps of 5
	HSL60P6-PC-1-XXX	mc-Si (multicrystalline) 290-310 W, in steps of 5
	Q.PEAK DUO XL-G10.3	475wp - 495 W in step of 5W
	Q.PEAK DUO L-G6.3	430-435W, in step fo 5W
Hangzhou Sunny Energy Science & Technology	ZDNY-xxxC54	sc-Si 190-250W, in steps of 5
	ZDNY-xxxC60	sc-Si 210-275W, in steps of 5
	ZDNY-xxxC72	sc-Si 255-330W, in steps of 5
	ZDNY-xxxCB54	sc-Si 190-235W, in steps of 5
	ZDNY-xxxCB60	sc-Si 210-260W, in steps of 5
	ZDNY-xxxCB72	sc-Si 255-310W, in steps of 5
	ZNDY-xxxP54	mc-Si 180-250W, in steps of 5
	ZNDY-xxxP60	mc-Si 200-275W, in steps of 5
	ZNDY-xxxP72	mc-Si 245-330W, in steps of 5
Hollandia Power Solutions Inc.	HPS0xxxP-28	mc-Si 105 W, 110 W
	HPS0xxxP-32	mc-Si 120W , 125W
	HPS0xxxP-36	mc-Si 140W, 145W
	HPS0xxxP-48	mc-Si 160 - 210 W, in steps of 5
	HPS0xxxP-54	mc-Si 180 - 235 W, in steps of 5
	HPS0xxxP-60	mc-Si 200 - 260 W, in steps of 5
	HPS0xxxP-72	mc-Si 240 - 345W, in steps of 5
	HPS0xxxM-28	sc-Si 105 - 125 W, in steps of 5
	HPS0xxxM-32	sc-Si 120 - 145 W, in steps of 5
	HPS0xxxM-36	sc-Si 135 - 160 W, in steps of 5
	HPS0xxxM-48	sc-Si 170 - 215 W, in steps of 5
	HPS0xxxM-54	sc-S 190 - 240 W, in steps of 5
	HPS0xxxM-60	sc-Si 210 - 270 W, in steps of 5
	HPS0xxxM-72	sc-Si 250 - 350 W, in steps of 5
	HPS0xxxD-16	sc-Si 040 - 045 W, in steps of 5
	HPS0xxxD-20	sc-Si 050 - 060 W, in steps of 5
HPS0xxxD-24	sc-Si 060 - 070 W, in steps of 5	
HPS0xxxD-28	sc-Si 065 - 080 W, in steps of 5	
HPS0xxxD-32	sc-Si 075 - 095 W, in steps of 5	
HPS0xxxD-36	sc-Si 080 - 105 W, in steps of 5	
HPS0xxxD-40	sc-Si 090 - 120 W, in steps of 5	
HPS0xxxD-72	sc-Si 155 - 215 W, in steps of 5	
HPS0xxxD-84	sc-Si 165 - 250 W, in steps of 5	
HYUNDAI Heavy Industries (HHI)	HiS-SxxxRG (BK)	Sc-Si 245-285W
	HiS-SxxxRF (BK)	Sc-Si 225-255W
	HiS-SxxxRI	Sc-Si 300-345W
	HiS-MxxxRG (BK)	Mc-S I 240-270W
	HiE-SxxxUH	Sc-si,xxx=445- 480W , in step of 5W
	HiE-SxxxUF	Sc-si,xxx=370- 400W , in step of 5W

	HiE-SxxxVI HiE-SxxxVG	Sc-si,xxx=460-500W , in step of 5W Sc-si,xxx=385-415W, in step of 5W
HECKERT Solar GmbH (Gilco)	MEMO 60 P255 19 MEMO 60 P260 19 MEMO 60 P265 19 MEMO 60 P270 19 MEMO 60 P275 19	sc-si 255W sc-si 260W sc-si 265W sc-si 270W sc-si 275W

PV MODULES		
Manufacturer name	Product ID	Description

	DMxxx-M156-72	Monocrystalline Sillion (xxx=320 to 360 in step of 5)
	DMxxx-M156-60	Monocrystalline Sillion (xxx=270 to 300 in step of 5)
	DMxxx-P156-72	Poly crystalline(xxx=310 to 350 in step of 5)
	DMxxx-P156-60	Poly crystalline(xxx=250 to 290 in step of 5)
	DMxxxM6-60HSW-V	Sc-Si,xxx=345-375
	DMxxxM6-60HBW-V	Sc-Si,xxx=345-375
	DMxxxM6-72HSW-V	Sc-Si, xxx=415-450
	DMxxxM6-72HBW-V	Sc-Si, xxx=415-450
	DMxxxM10-60HSW-V	Sc-Si, xxx=445-460
	DMxxxM10-60HBW-V	Sc-Si, xxx=445-460
	DMxxxM10-72HSW-V	Sc-Si, xxx=535-555
	DMxxxM10-72HBW-V	Sc-Si, xxx=535-555
	DMxxxM6-B60HSW	Sc-Si, xxx=350-370
	DMxxxM6-B60HST (xxx=350-370)	Sc-Si, xxx=350-370
	DMxxxM6-B60HBT (xxx=350-370)	Sc-Si, xxx=350-370
	DMxxxM6-B60HBW (xxx=350-370)	Sc-Si, xxx=350-370
	DMxxxM6-B72HSW (xxx=420-445)	Sc-Si, xxx=420-445
	DMxxxM6-B72HST (xxx=420-445)	Sc-Si, xxx=420-445
	DMxxxM6-B72HBT (xxx=420-445)	Sc-Si, xxx=420-445
	DMxxxM6-B72HBW (xxx=420-445)	Sc-Si, xxx=420-445
	DMxxxM10-B54HSW (xxx=395-410)	Sc-Si, xxx=395-410
	DMxxxM10-B54HST (xxx=395-410)	Sc-Si, xxx=395-410
	DMxxxM10-B54HBT (xxx=395-410)	Sc-Si, xxx=395-410
	DMxxxM10-B54HBW (xxx=395-410)	Sc-Si, xxx=395-410
	DMxxxM10-B60HSW (xxx=440-455)	Sc-Si, xxx=440-455
	DMxxxM10-B60HST (xxx=440-455)	Sc-Si, xxx=440-455
	DMxxxM10-B60HBT (xxx=440-455)	Sc-Si, xxx=440-455
	DMxxxM10-B60HBW (xxx=440-455)	Sc-Si, xxx=440-455
	DMxxxM10-B72HSW (xxx=525-550)	Sc-Si, xxx=525-550
	DMxxxM10-B72HST (xxx=525-550)	Sc-Si, xxx=525-550
	DMxxxM10-B72HBT (xxx=525-550)	Sc-Si, xxx=525-550
	DMxxxM10-B72HBW (xxx=525-550)	Sc-Si, xxx=525-550

	Q.PRIME L-G5	Mono-Crystalline 335 - 345 (in step of 5 Wp)
	Q.PRIME-G5	Mono-Crystalline 280 - 290 (in step of 5)
	Q.POWER-G5	poly-crystalline 265 - 275 (in step of 5)
	Q.PEAK G4 (60 Cells)	Sc-Si, 300-310 (in step of 5)
	Q.PEAK L_G4 (72 Cells)	Sc-Si, 345-360 (in step of 5)
	Q.PLUS G4 (60 Cells)	mc-Si, 270-280 (in step of 5)
	Q.PLUS L_G4 (72 Cells)	mc-Si, 330-340 (in step of 5)
	Q.PEAK G4 (60 Cells)	Sc-Si, 300-310 (in step of 5)
	Q.PEAK L_G4 (72 Cells)	Sc-Si, 345-360 (in step of 5)
	Q.PLUS G4 (60 Cells)	mc-Si, 270-280 (in step of 5)
	Q.PEAK G4 (60 Cells)	sc-Si,300~310wp (in step of 5wp)
	Q.PEAK L_G4 (72 Cells)	sc-Si,345~360wp (in step of 5wp)
	Q.PLUS G4 (60 Cells)	mc-si,270~280wp (in step of 5wp)
	Q.PLUS L_G4 (72 Cells)	mc-si,330~340wp (in step of 5wp)
	Q.PLUS L_G4 (72 Cells)	mc-Si, 330-340 (in step of 5)
	Q.Power LG-5	Poly-crystalline 315-330W, in step of 5
	Q.PEAK L-G5	Monocrystalline, 355-370 Wp, in step of 5
	Q.PEAK-G5.0.G	Monocrystalline, 295-310 Wp, in step of 5
	Q.PEAK BLK-G4.1	sc-Si, Mono, PERC(Q.ANTUM),290-305Wp, in step of 5
	Q.PEAK BLK-G4.4	sc-Si, Mono, PERC, 300-310Wp, in step of 5
	Q.PEAK-G4.1	sc-Si, Mono, PERC(Q.ANTUM), 300-320 Wp, in step of 5
	Q.PEAK-G4.2	sc-Si, Mono, PERC(Q.ANTUM), 300-310 Wp, in step of 5
	Q.PEAK-G4.4	sc-Si, Mono, PERC, 295-315 Wp, in step of 5
	Q.PEAK-G4.5	sc-Si, Mono, PERC, 295-315 Wp, in step of 5
	Q.PEAK L-G4.1	sc-Si, Mono, PERC(Q.ANTUM), 360-370 Wp, in step of 5
	Q.PEAK L-G4.2	sc-Si, Mono, PERC(Q.ANTUM),360-370 Wp, in step of 5
	Q.PEAK L-G4.4	sc-Si, Mono, PERC, 355-375 Wp, in step of 5
	Q.PEAK L-G4.5	sc-Si, Mono, PERC, 355-375 Wp, in step of 5
	Q.PEAK DUO-G5	sc-Si, Mono, PERC(Q.ANTUM), Half-Cell , 315-355 Wp, in step of 5

	Q.Peak DUO L G8.3	sc-si, xxx-430 W	
Hanersun Technology Co, Ltd	CP21-66HTXXXW	Se-Si, XXX=635-665, in step of 5W	
	CP21-60HTXXXW	Se-Si, XXX=580-605, in step of 5W	
	CP18-72HTXXXW	Se-Si, XXX=525-575, in step of 5W	
	CP18-66HTXXXW	Se-Si, XX=485-525, in step of 5W	
	CP18-60HTXXXW	Se-Si,XXX=440-480, in step of 5W	
	CP18-54HTXXXW	Se-Si,XXX=390-430, in step of 5W	
	CP17-72HTXXXW	Se-Si,XXX=425-455, in step of 5W	
	CP17-60HTXXXW	Se-Si,XXX=355-375, in step of 5W	
	CP21-66HXXXW	Se-Si, XXX=630-665, in step of 5W	
	CP21-60HXXXW (XXX=575-605)	Se-Si, XXX=575-605, in step of 5W	
	CP21-55HXXXW (XXX=525-555)	Se-Si, XXX=575-605, in step of 5W	
	CP21-50HXXXW (XXX=480-500)	Se-Si, XXX=480-500, in step of 5W	
	CP21-40HXXXW (XXX=385-400)	Se-Si, XXX=385-400, in step of 5W	
	CP18-72HXXXW (XXX=520-575)	Se-Si, XXX=520-575, in step of 5W	
	CP18-66HXXXW (XXX=480-525)	Se-Si, XXX=480-525, in step of 5W	
	CP18-60HXXXW (XXX=435-480)	Se-Si, XXX=435-480, in step of 5W	
	CP18-54HXXXW (XXX=390-430)	Se-Si, XXX=390-430, in step of 5W	
	CP17-72HXXXW (XXX=420-450)	Se-Si, XXX=420-450, in step of 5W	
	CP17-60HXXXW (XXX=355-375)	Se-Si, XXX=355-375, in step of 5W	
	CP18-72HBXXXW (XXX=520-540)	Se-Si, XXX=520-540, in step of 5W	
	CP18-66HBXXXW (XXX=480-495)	Se-Si, XXX=480-495, in step of 5W	
	CP18-60HBXXXW (XXX=435-450)	Se-Si, XXX=435-450, in step of 5W	
	CP18-54HBXXXW (XXX=390-405)	Se-Si, XXX=390-405, in step of 5W	
	CP17-72HBXXXW (XXX=410-430)	Se-Si, XXX=410-430, in step of 5W	
	CP17-60HBXXXW (XXX=340-355)	Se-Si, XXX=340-355, in step of 5W	
	Himin Clean Energy Holdings	450W- HG 450S	Se-Si,XXX=450, in step of 5W
		460W- HG 460S	Se Si, XXX=460, in step of 5W
		470W- HG 470S	Se-Si,XXX=470 in step of 5W
540W- HG 540S		Se-Si,XXX=540 in step of 5W	
545W-HG545S		Se-Si,XXX=545 in step of 5W	
Infinty New Energy Co., Ltd	INE-xxx-6PA	Sc-Si(poly), 300 - 340 W, in step of 5	
	INE-xxx-6PB	Sc-Si(poly), 250-280 W, in step of 5	
	INE-xxx-6PC	Sc-Si(poly), 225-255 W, in step of 5	
	INE-xxx-6PD	Sc-Si(poly), 200-225 W, in step of 5	
JA Solar	JAM6-48-XXX/PR	(xxx=220-230) Mc-Si	
	JAM6-60/72-XXX/PR	(xxx=285-295/335-350)Mc-Si	
	JAP6-60/72-XXX/4BB	(xxx=270-275/315-325) Polychristaline - Si	
	JAM6(L)-60/72-XXX/4BB	(xxx=270-280/320-330)Mc-Si	
	JAM6-72-XXX/SI	(xxx=285-325W) Mc-Si	
	JAP6-60/72-XXX/3BB	(xxx=260-275/310-325) Polychristaline-Si	
	JAP6(K) 60/72 4BB	(xxx=255-275/305-325) Polychristaline-Si	
	JAP6(K)(DG) 60/72 4BB/1500V	(xxx=255-275/310-325) Polychristaline-Si	
	JAM6(K)(DG) 60-72 4BB/1500v	(xxx=260-285/325-340) Mono crystalline	
	JAM72D00 - xxx/PR	(xxx=330-360) Mono crystalline	
	JAM72D00 - xxx/SC	(xxx=320-340) Mono crystalline	
	JAM60D00 - xxx/PR	(xxx=285-300) Mono crystalline	
	JAM72D00 - xxx/SC	(xxx=265-280) Mono crystalline	
	JAM72S01- xxx/SC	(xxx=320-340) Mono crystalline	
	JAM72S01- xxx/PR	(xxx=345-365) Mono crystalline	
	JAM6(K)(DG) 60/72/PR/1500	(xxx=270-295/330-350) Mono crystalline	
	JAM60S01- xxx/SC	(xxx=265-280) Mono crystalline	
	JAM60S01- xxx/PR	(xxx=285-300) Mono crystalline	
	JAP72D00- xxx/SC	(xxx=310-330)Poly-crystalline	
	JAP72D00- xxx/SC	(xxx=260-270)Poly-crystalline	
	JAP72S01- xxx/SC	(xxx=305-330)Poly-crystalline	
	JAP72S01- xxx/PR	(xxx=305-345)Poly-crystalline	
	JAP60S01- xxx/SC	(xxx=255-280)Poly-crystalline	
	JAP60S01- xxx/PR	(xxx=275-285)Poly-crystalline	
	JAM72D00-xxx/BP	mono crystalline-Si, 340-390 W in step of 5	
	JAP72S01-xxx/SC	poly crystalline-Si, 305-340 W in step of 5	
	JAM72D00-xxx/ PR	mono crystalline-Si, 330-375 in step of 5	
	JAM72S01-xxx/ PR	mono crystalline-Si, 325-380 in step of 5	
	JAP60S03-xxx/ SC	poly crystalline-Si, 270-290 W in step of 5	
	JAM78S10-xxx/ MR	mono crystalline-Si,445-455W , in step of 5W	
	JAM78D10-xxx/ MB	mono crystalline-Si,440-450W , in step of 5W	
	JAM72D30 505-555/ MB	mono crystalline-Si,505-555W , in step of 5W	
	JAM72S30 510-555/MR	mono crystalline-Si,510-555W , in step of 5W	
JAM78D30 580-605/MB	mono crystalline-Si,580-605W , in step of 5W		
JAM78S30 580-605/MR	mono crystalline-Si,580-605W , in step of 5W		
JAM72S30 xxx/GR 540W-555W	Mc-Si= 540-550W, in step of 5W		

JAM72D30 xxx/GB 540W-550W
 JAM78D30 585-590/GB
 JAM78S30 585-600/GR

Mc-Si= 540-550W, in step of 5W
 Mc-Si=585-595W
 Mc-Si=585-600W

PV MODULES

Manufacturer name	Product ID	Description
JA Solar	JAP72S03-xxx/ SC	poly crystalline-Si, 320-345 W in step of 5
	JAM72D09-xxx/ BP	mono crystalline-Si,370-385W in step of 5
	JAM60D09 -xxx/ BP	mono crystalline-Si,305-320W in step of 5
	JAM60S09-xxx/ PR	mono crystalline-Si,310-325W in step of 5
	JAM60S10-xxx/ PR	mono crystalline-Si,320-330W in step of 5
	JAM72S09-xxx/ PR	mono crystalline-Si,375-390W in step of 5
	JAM72S10-xxx/ PR	mono crystalline-Si,390-400W in step of 5
	JAP60S09-xxx/ SC	poly crystalline-Si,270-280W in step of 5
	JAP60S10-xxx/ SC	poly crystalline-Si,275-290W in step of 5
	JAP72S09-xxx/ SC	poly crystalline-Si,325-340W in step of 5
	JAP72S10-xxx/ SC	poly crystalline-Si,335-350W in step of 5
	JAM72D09-xxx/ BP	mono crystalline-Si,370-385W in step of 5
	JAM60D09-xxx/ BP	mono crystalline-Si,305-320W in step of 5
	JAM60S01-xxx/ PR	mono crystalline-Si, 280-315 W in step of 5
	JAM60D00-xxx/ PR	mono crystalline-Si, 270-315 W in step of 5
	JAM60S03-xxx/ PR	mono crystalline-Si, 295-335 W in step of 5
	JAM72D09-xxx/ BP	mono crystalline-Si, 405 W
	JAM60D09 -xxx/ BP	mono crystalline-Si, 325W-345W in step of 5
	JAM60S09-xxx/ PR	mono crystalline-Si, 390W-420W in step of 5
	JAM60S10-xxx/ PR	mono crystalline-Si, 425W-440W in step of 5
	JAM72S09-xxx/PR	mono crystalline-Si, 345W-380W in step of 5
	JAM72S10-xxx/ PR	mono crystalline-Si, 390W-410W in step of 5
	JAM60S10-xxx/ MR	mono crystalline-Si, 320W-340W in step of 5
	JAM72S10-xxx/ MR	mono crystalline-Si, 390-420W in step of 5
	JAM78S10-xxx/ MR	mono crystalline-Si, 425-440W in step of 5
	JAM66S10-xxx/ MR	mono crystalline-Si, 345-380W in step of 5
	JAM72D10-xxx/ MB	mono crystalline-Si, 390-410W in step of 5
	JAM60D10-xxx/ MB	mono crystalline-Si, 320-340W in step of 5
	JAM6(K)-72-xxx/PR	mono-crystalline 345-360, in step of 5W
	JAM6(K)-72-xxx/PR	mono-crystalline 285-300 in step of 5W
	JAM60D20-xxx/ MB	mono crystalline-Si,xxx=355-385W , in step of 5W
	JAM60S20-xxx/ MR	mono crystalline-Si,xxx=355-385W , in step of 5W
	JAM72D20-xxx/ MB	mono crystalline-Si,xxx=430-465W ,in step of 5W
	JAM72S20-xxx/ MR	mono crystalline-Si,xxx=430-470W ,in step of 5W
JAM66D30-xxx/MB	mc-si,xxx=465-500W, in step of 5W	
JAM66S30-xxx/MR	mc-si,xxx=470-505W , in step of 5W	
JAM72D30-xxx/MB	mc-si,xxx=505-545W , in step of 5W	
JAM72S30-xxx/MR	mc-si,xxx=510-550W , in step of 5W	
JAKSON Engineers Limited	JP-AXB (A=24; B=270-330)	270-330 Multi c-Si
	JP-AXB (A=24; B=240-280)	240-280 Multi c-Si
	JP-AXB (A=24; B=200-230)	200-230 Multi c-Si
	JP-AXB (A=24; B=175-200)	175-200 Multi c-Si
	JP-AXB (A=24; B=150-175)	150-175 Multi c-Si
	JP-AXB (A=24; B=120-140)	120-140 Multi c-Si
	JP-AXB (A=24; B=100-115)	100-115 Multi c-Si
	JP-AXB (A=24; B=220-290)	220-290 Multi c-Si
	JP-AXB (A=24; B=200-235)	200-235 Multi c-Si
	JP-AXB (A=24; B=165-190)	165-190 Multi c-Si
	JP-AXB (A=24; B=145-170)	145-170 Multi c-Si
	JP-AXB (A=24; B=125-140)	125-140 Multi c-Si
	JP-AXB (A=24; B=100-120)	100-120 Multi c-Si
	JP-AXB (A=12; B=270-330)	270-330 Multi c-Si
	JP-AXB (A=12; B=240-280)	240-280 Multi c-Si
	JP-AXB (A=12; B=200-230)	200-230 Multi c-Si
	JP-AXB (A=12; B=175-200)	175-200 Multi c-Si
	JP-AXB (A=12; B=150-175)	150-175 Multi c-Si
	JP-AXB (A=12; B=120-140)	120-140 Multi c-Si
	JP-AXB (A=12; B=100-115)	100-115 Multi c-Si
JP-AXB (A=12; B=200-260)	200-260 Multi c-Si	
JP-AXB (A=12; B=180-215)	180-215 Multi c-Si	
JP-AXB (A=12; B=130-175)	130-175 Multi c-Si	
JP-AXB (A=12; B=120-140)	120-140 Multi c-Si	
JP-AXB (A=12; B=100-110)	100-110 Multi c-Si	
JP-AXB (A=12; B=90-95)	90-95 Multi c-Si	
JP-AXB (A=12; B=80-90)	80-90 Multi c-Si	

JP-AXB (A=12; B=74-80)	74-80 Multi c-Si
JP-AXB (A=12; B=60-65)	60-65 Multi c-Si
JP-AXB (A=12; B=50-55)	50-55 Multi c-Si
JP-AXB (A=12; B=37-45)	37-45 Multi c-Si
JP-AXB (A=12; B=24-30)	24-30 Multi c-Si
JP-AXB (A=12; B=18-22)	18-22 Multi c-Si
JP-AXB (A=12; B=13-17)	13-17 Multi c-Si
JP-AXB (A=12; B=10-12)	10-12 Multi c-Si
JH-XXX M(XXX=250 -600)	Mc-Si,250 -600 W , in step of 5W

PV MODULES		
Manufacturer name	Product ID	Description

Jinko Solar

JKMxxxPP-60	mc-Si, 210-280 W,in steps of 5 W
JKMxxxPP-72	mc-Si, 250-335 W,in steps of 5 W
JKMxxxPP-60-V	mc-Si, 210-280 W, in steps of 5 W
JKMxxxPP-72-V	mc-Si, 250-340 W, in steps of 5 W
JKMxxxM-60	sc-Si, 325-340 W, in step of 5 W
JKMxxxM-60H	sc-Si, 325-340 W, in step of 5 W
JKMxxxM-72	sc-Si, 375-410 W, in step of 5 W
JKMxxxM-72H	sc-Si, 380-410 W, in step of 5 W
JKMxxxM-60-V	sc-Si, 325-340 W, in step of 5 W
JKMxxxM-60H-V	sc-Si, 325-340 W, in step of 5 W
JKMxxxM-60H-TV	sc-Si, 325-340 W, in step of 5 W
JKMxxxM-72-V	sc-Si, 375-415 W, in step of 5 W
JKMxxxM-72H-V	sc-Si, 375-415 W, in step of 5 W
JKMxxxM-72H-TV	sc-Si, 375-415 W, in step of 5 W
JKMxxxM-60-DV	sc-Si, 300-345 W, in step of 5 W
JKMxxxM-60H-DV	sc-Si, 300-345 W, in step of 5 W
JKMxxxM-60H-BDVP	sc-Si, 300-335 W, in step of 5 W
JKMxxxM-72-DV	sc-Si, 375-415 W, in step of 5 W
JKMxxxM-72H-DV	sc-Si, 375-415 W, in step of 5 W
JKMxxxM-72H-BDVP	sc-Si, 375-400 W, in step of 5 W
JKMxxxM-60-BDVP	sc-Si, 295-315 W, in steps of 5 W
JKM320-340N-60H-TV	sc-Si,320-340 W, in steps of 5 W
JKM390-410N-72H-TV	sc-Si,390-410 W, in step of 5 W
JKMxxxM-72-BDVP	sc-Si, 360-380 W, in steps of 5 W
JKMxxxM-6RL3-V	sc-Si, 360-395 W, in step of 5 W
JKMxxxM-6RL3-TV	sc-Si, 360-395 W, in step of 5 W
JKMxxxM-7RL3-V	sc-Si, 430-470 W, in step of 5 W
JKMxxxM-7RL3-TV	sc-Si, 430-470 W, in step of 5 W
JKMxxxM-66H-V	sc-Si, 340-375 W, in step of 5 W
JKMxxxM-66H-TV	sc-Si, 340-375 W, in step of 5 W
JKMxxxM-78H-V	sc-Si, 405-445 W, in step of 5 W
JKMxxxM-78H-TV	sc-Si, 405-445 W, in step of 5 W
JKMxxxM-72H-MBB-BDVP	sc-Si,380-415W , in step of 5W
JKMxxxM-60HL4-V	sc-Si,xxx=430-450W , in step of 5W
JKMxxxM-72HL4-V	sc-Si,xxx=520-540W , in step of 5W
JKMxxxM-72HL4-TV	sc-Si,xxx=515-535W , in step of 5W
JKMxxxM-6TL4-V	sc-Si,xxx=420 - 440 W , in step of 5W
JKMxxxM-7TL4-V	sc-Si,xxx=510 - 530 W , in step of 5W
JKMxxxM-7TL4-TV	sc-Si,xxx=510-530W, in step of 5W
JKMxxxM-7RL4-V	sc-Si,xxx=555 - 575 W , , in step of 5W
JKMxxxM-7RL4-tV	sc-Si,xxx=555 - 575 W , , in step of 5W
JKMxxxM-7RL3-BDVP	sc-Si,xxx=450-465W , in step of 5W
JKMxxxM-72HL4-BDVP	sc-Si,xxx=515 - 535 , in step of 5W
JKMxxxM-72HLM-BDVP	sc-si , xxx=415-460 W , in step of 5W
JKMxxxM-60HLM-V	cs-si,xxx=355-375W , in step of 5W
JKMxxxM-72HLM-V	cs-si,xxx=435-455W , in step of 5W
JKMxxxM-72HL4-V	cs-si,xxx=520-50W , in step of 5W
JKMxxxM-72HLM-V	cs-si,xxx=435-455W , in step of 5W
JKMxxxM-72HL4-V	cs-si,xxx=520-50W , in step of 5W
JKMxxxN-54HL4-V	Cs-Si,xxx= 420-430W, in step of 5W
JKMxxxN-60HL4-V	Cs-Si,xxx= 465-480W, in step of 5W
JKMxxxN-66HL4-V	Cs-Si,xxx= 510-525W, in step of 5W
JKMxxxN-72HL4-V	Cs-Si,xxx= 560-575W, in step of 5W
JKMxxxN-78HL4-V	Cs-Si,xxx= 570-625W, in step of 5W
JKMxxxN-54HL4-V	Cs-Si,xxx= 420-430W, in step fo 5W
JKMxxxN-60HL4-V	Cs-Si,xxx= 465-480W, in step fo 5W
JKMxxxN-72HL4-V	Cs-Si,xxx= 560-575W, in step fo 5W
JKMxxxN-78HL4-V	Cs-Si,xxx= 570-625W, in step fo 5W
JKMxxxN-72HL4-BDV	Cs-Si,xxx=555-565W, in step of 5W

	JKMxxxN-78HL4-BDV JKBF61N-10HL3-BDVP-T0GG (61Wp) JKBF352N-63HL2-BDVP-T0GD (352Wp) JKBF549N-90HL2-BDVP-T0GC (549Wp) JKBF580N-108HL2-BDVP-T0GC (580Wp) JKBF696N-126HL2-BDVP-T0GB (696Wp) JKBF912N-170HL2-BDVP-T0GB (912Wp) JKBF201N-36HL2-BDVP-T0ED (201Wp) JKBF427N-76.5HL2-BDVP-T0EC JKBF477N-85.5HL3-BDVP-T0EB JKBF500N-90HL3-BDVP-T0EC JKBF647N-117HL2-BDVP-T0GD JKBF644N-120HL2-BDVP-T0EC JKBF708N-132HL2-BDVP-T0EC JKMxxxN-6RL3-B	Cs-Si,xxx=570-615W, in step of 5W Cs-Si xxx=61Wp Cs-Si xxx=352Wp Cs-Si xxx=549Wp Cs-Si xxx=580Wp Cs-Si xxx=696Wp Cs-Si xxx=912Wp Cs-Si xxx=210Wp Cs-Si xxx=427Wp Cs-Si xxx=477Wp Cs-Si xxx=500Wp Cs-Si xxx=647Wp Cs-Si xxx=644Wp Cs-Si xxx=708Wp Cs-Si xxx= 395-415Wp
Jiangsu Aiduo Photovoltaic Technology Co., Ltd.	ADXXX-36P ADXXX-36S ADXXX-48P ADXXX-48S ADXXX-54P ADXXX-54S ADXXX-60P ADXXX-60S ADXXX-72M ADXXX-72P ADXXX-72S ADXXX-72M ADXXX-36S ADXXX-48S ADXXX-54S ADXXX-60S ADXXX-72S ADXXX-36P ADXXX-40P ADXXX-48P ADXXX-54P ADXXX-72P ADXXX-60P	Poly-Crystalline Silicon XXX=130-150W, in step of 5 Mono-Crystalline Silicon XXX=135-155W, in step of 5 Poly-Crystalline Silicon XXX=175-225W, in step of 5 Mono-Crystalline Silicon XXX=180-205W, in step of 5 Poly-Crystalline Silicon XXX=200-225W, in step of 5 Mono-Crystalline Silicon XXX=210-235W, in step of 5 Poly-Crystalline Silicon XXX=255-265W, in step of 5 Mono-Crystalline Silicon XXX=230-260W, in step of 5 Mono-Crystalline Silicon XXX=175-205W, in step of 5 Poly-Crystalline Silicon XXX=270-320W, in step of 5 Mono-Crystalline SiliconXXX=280-320W, in step of 5 Mono-crystalline Silicon XXX=175-205W, in step of 5 Mono-crystalline SiliconXXX=135-175W, in step of 5 Mono-crystalline SiliconXXX=180-235W, in step of 5 Mono-crystalline SiliconXXX=210-265W, in step of 5 Mono-crystalline SiliconXXX=230-295W, in step of 5 Mono-crystalline Silicon XXX=280-355W, in step of 5 Poly-crystalline Silicon XXX=130-170W, in step of 5 Poly-crystalline Silicon XXX=160-185W, in step of 5 Poly-crystalline Silicon XXX=175-225W, in step of 5 Poly-crystalline Silicon XXX=200-255W, in step of 5 Poly-crystalline Silicon XXX=270-340W, in step of 5 Poly-crystalline SiliconXXX=225-280W, in step of 5
Jiangsu Eco Green Energy Co Ltd	EGE-xxxW-120M (M6) EGE-xxxW-144M (M6) EGE-xxxW-120M (M10) EGE-xxxW-144M (M10)	sc-si, xxx=350-375W, in step of 5W sc-si, xxx = 440-450W , in step of 5W Sc-si, xxx=440-460W , in step of 5W sc-si, xxx= 530-550W , in step of 5W
Jinneng Photovoltaic Technology Ltd	JNHM72-xxx JNHM60-xxx JNMM144-xxx JNMM120-xxx JNMM144-xxx JNMM120-xxx JNMP144-xxx JNMP120-xxx JNBM144-xxx JNBM120-xxx JNBM144-xxx JNBM132-xxx JNBM120-xxx JNBM108-xxx JNBM96-xxx JNMM144-xxx JNMM132-xxx JNMM120-xxx JNMM108-xxx JNMM96-xxx JNHM144-xxx JNHM120-xxx JNMM132-xxx JNMM120-xxx JNBM144-xxx JNBM132-xxx JNBM120-xxx JNBM108-xxx JNBM96-xxx	HJT xxx = 330-370, in increment of 5 HJT xxx = 275-310, in increment of 5 sc-si,xxx=425-455, in steps of 5) sc-si,xxx=355-375, in steps of 5 sc-si,xxx=375-410, in steps of 5 sc-si,xxx=315-340, in steps of 5) mc-si,xxx=310-355, in steps of 5 mc-si,xxx=260-295, in steps of 5 sc-si,xxx=365-465W , in step of 5W sc-si ,xxx=305-385W, in step of 5 sc-si,xxx=520-545W , in step of 5 sc-si,xxx=475-500W , in step of 5 sc-si,xxx=435-455W, in stepof 5 sc-si,xxx=390-405W, in step of 5 sc-si,xxx=345-360W . In step of 5 sc-si,xxx=520-545, in steps of 5 sc-si,xxx=480-495, in steps of 5 sc-si,xxx=435-450, in steps of sc-si,xxx=390-405, in steps of 5 sc-si,xxx=350-360, in steps of 5 sc-si,xxx=380-475W , in step of 5W sc-si,xxx=315-395W, in step of 5W sc-Si,xxx=630-675 in step of 5W sc-si,xxx=575-610W , , in step of 5W Sc-Si xxx=550-560,in steps of 5W; Sc Si-xxx=505-510W,in steps of 5W Sc-Si,xxx=460-465W in steps of 5W Sc-Si,xxx=410-420W in steps of 5W Sc-Si,xxx=365-370W in steps of 5W

JNMM144-xxx Sc-Si,xxx=550-555 in steps of 5W
 JNMM132-xxx Sc-Si,xxx=500-505 in steps of 5W
 JNMM120-xxx Sc-Si,xxx=455-460 in steps of 5W
 JNMM108-xxx Sc-Si,xxx=410-415 in steps of 5W
 JNMM96-xxx Sc-Si,xxx=365 in steps of 5W
 JNMM60-xxx Sc-Si,xxx=305-325 in steps of 5W

Manufacturer name	Product ID	Description
Juli New Energy	JLS60P250W(156)	mc-si 250 W
PV MODULES		
Jyotitech Solar LLP	JTS xxx	mc-si 37W
	JTS xxx	mc-si 40W
	JTS xxx	mc-si 50W
	JTS xxx	mc-si 75W
	JTS xxx	mc-si 100W
	JTS xxx	mc-si 150W
	JTS xxx	mc-si 255W
	JTS xxx	mc-si 260W
	JTS xxx	mc-si 200W
	JTS xxx	mc-si 250W
	JTS xxx	mc-si 300W
	JTS xxx	mc-si 305W
	JTS xxx	mc-si 310W
	JTS xxx	mc-si 315W
JTS xxx	mc-si 320W	
Jolywood(taizhou)solar technology	JW-D72N-XXX	xxx=310-360W, in steps of 5
	JW-D60N-xxx	xxx=255-300W, in steps of 5
	JW-T72N-xxx	xxx=310-355W, in steps of 5
	JW-T60N-xxx	xxx=255-295W, in steps of 5
	JW-D72-xxx	sc-Si 365-410W, in step of 5
	JW-D60-xxx	sc-Si 315-340W, in step of 5
	JW-HD144N-xxx	sc-Si 390-415W, in step of 5
	JW-HD120N-xxx	sc-Si 325-345W, in step of 5
	JW-HD144P-xxx	sc-Si 390-415W, in step of 5
JW-HD120P-xxx	sc-Si 325-345W, in step of 5	
Jiangyin Shine Science and Technology Co	SSxxx-72S	monocrystalline Silicon, xxx=320-370W insteps of 5
	SSxxx-72S-V	monocrystalline Silicon, xxx=320-370W insteps of 5
	SSxxx-60S	monocrystalline Silicon, xxx=265-310W insteps of 5
	SSxxx-60S-V	monocrystalline Silicon, xxx=265-310W insteps of 5
	SSxxx-72P	Polycrystalline Silicon, xxx=305-345w insteps of 5
	SSxxx-72P-V	Polycrystalline Silicon, xxx=305-345 insteps of 5
	SSxxx-60P	Polycrystalline Silicon, xxx=250-290W insteps of 5
	SSxxx-60P-V	Polycrystalline Silicon, xxx=250-290W insteps of 5
Jiangsu Sunport Power Corp.,LTD	SPPXXMH7	Mono-crystalline Silicon, 345-385W in steps of 5
	SPPXXM72	Mono-crystalline Silicon, 345-395W in steps of 5
	SPPXXMH6	Mono-crystalline Silicon, 285-320W in steps of 5
	SPPXXM60	Mono-crystalline Silicon, 285-330W in steps of 5
	SPPXXN60	Mono-crystalline Silicon, 345-340W in steps of 5
	SPPXXD72	Poly-crystalline Silicon, 325-350W insteps of 5
	SPPXXPH7	Poly-crystalline Silicon, 325-350W insteps of 5
	SPPXXP72	Poly-crystalline Silicon, 325-375W insteps of 5
	SPPXXDH6	Poly-crystalline Silicon, 275-300W insteps of 5
	SPPXXD60	Poly-crystalline Silicon, 275-295W insteps of 5
	SPPXXPH6	Poly-crystalline Silicon, 275-290W insteps of 5
	SPPXXP60	Poly-crystalline Silicon, 275-315W insteps of 5
	SPP290M60S	sc-Si, 290W
	SPP295M60S	sc-Si, 295W
	SPP300M60S	sc-Si, 300W
	SPP305M60S	sc-Si, 305W
	SPP310M60S	sc-Si, 310W
	SPP315M60S	sc-Si, 315W
	SPP320M60S	sc-Si, 320W
	SPPXXM72H	Mono-crystalline Silicon ,XXX=345-395W, in steps of 5W
	SPPXXN72H	Mono-crystalline Silicon ,XXX=375-405W, in steps of 5W
	SPPXXM60H	Mono-crystalline Silicon ,XXX=285-330W, in steps of 5W
	SPPXXN60H	Mono-crystalline Silicon ,XXX=310-350W, in steps of 5W
	SPPXXNHJH	Mono-crystalline Silicon XXX=435-450W, in steps of 5W
	SPPXXMH7H	Mono-crystalline Silicon ,XXX=375-405W, in steps of 5W
	SPPXXNH7H	Mono-crystalline Silicon ,XXX=385-420W, in steps of 5W
	SPPXXNHEH	Mono-crystalline Silicon ,XXX=340-365W, in steps of 5W
SPPXXMH6H	Mono-crystalline Silicon ,XXX=305-335W, in steps of 5W	

SPPXXNH6H	Mono-crystalline Silicon ,XXX=320-350W, in steps of 5W
SPPXXD72H	Poly-crystalline Silicon , XXX=325-355W , in steps of 5W
SPPXXP72H	Poly-crystalline Silicon ,XXX=325-355W, in steps of 5W
SPPXXD60H	Poly-crystalline Silicon ,XXX=275-295W, in steps of 5W
SPPXXP60H	Poly-crystalline Silicon ,XXX 270-315W, in steps of 5W
SPPXXDH7H	Poly-crystalline Silicon ,XXX=365-405W, in steps of 5W

PV MODULES

Manufacturer name	Product ID	Description
Jiangsu Sunport Power Corp.,LTD	SPPXXPH7H	Poly-crystalline Silicon ,XXX=325-300W , in steps of 5W
	SPPXXDH6H	Poly-crystalline Silicon ,XXX=275-300W, in steps of 5W
	SPPXXPH6H	Poly-crystalline Silicon ,XXX=275-290W, in steps of 5W
KOSOL HIRAMRUT ENERGIES PVT.LTD.	KE40	40Wp
	KE50	50Wp
	KE60	60Wp
	KE100	100Wp
	KE150	150Wp
	KE155	155Wp
	KE160	160Wp
	KE210	210Wp
	KE235	235Wp
	KE240	240Wp
	KE245	245Wp
	KE250	250Wp
	KE260	260Wp
	KE265	265Wp
	KE270	270Wp
	KE275	275Wp
	KE280	280Wp
	KE315	315Wp
	KE320	320Wp
	KE325	325Wp
	KE180M	mc-Si,180W
	KE120M	mc-Si,120WP
	KE115M	mc-Si,115WP
	KE95M	mc-Si,95WP
	KE90M	mc-Si,90WP
	KE70M	mc-Si,70WP
	KE60M	mc-Si,60WP
	KE50M	mc-Si,50WP
	KE175P	mc-Si,175WP
	KE170P	mc-Si,170WP
	KE165P	mc-Si,165WP
	KE160P	mc-Si,160WP
	KE155P	mc-Si,155WP
	KE100P	mc-Si,100WP
	KE80P	mc-Si,80Wp
	KE60P	mc-Si,60Wp
	KE50P	mc-Si,50Wp
KE40P	mc-Si,40Wp	
KExxxM	mc-Si,xxx=230-255W, in step of 5W	
KExxxM	mc-Si,xxx=265-285W , in step of 5W	
KExxxP	mc-Si,xxx=200-225W , in step of 5W	
KExxxP	mc-Si,xxx=235-255W , in step of 5W	
KExxxM	mc-Si,xxx=290-335W , in step of 5W	
KExxxP	mc-Si,xxx=260-300W , in step of 5W	
KExxxM	mc-Si,xxx=345-380W , in step of 5W	
KExxxP	sc-Si ,xxx=315-330W , in step of 5W	
KExxxMX	mc-Si,xxx=345-380W , in step of 5W	
KExxxPX	sc-Si,xxx=315-330W ,in step of 5W	
Kyocera	KU315-7ZPA	mc-Si 315 Wp
	KU320-7ZPA	mc-Si 320 Wp
	KG160GX-LFE-S	mc-Si, 160Wp
	KG165GX-LFE-S	mc-Si, 165Wp
	KG170GX-LFE-S	mc-Si, 170Wp
	KG175GX-LFE-S	mc-Si, 175Wp
	KK275P-3CD3CG	mc-Si, 275Wp
	KK280P-3CD3CG	mc-Si, 280Wp
	KK285P-3CD3CG	mc-Si, 285Wp
	KK290P-5CD3CG	mc-Si, 290Wp
KV275P-3CD3CG	mc-Si, 275Wp	

KV280P-3CD3CG	mc-Si, 280Wp
KV285P-3CD3CG	mc-Si, 285Wp
KV290P-3CD3CG	mc-Si, 290Wp

PV MODULES

Manufacturer name	Product ID	Description
Lepton Solar (CHANGSHU) Co., Ltd.	LP158*158-M-60-H-XXX	sc-Si, XXX= 325 W & 330 W
	LP158*158-M-72-H-XXX	sc-Si, XXX= 395 W & 400 W
	LP156*156-P-60-H-XXX	mc-Si, XXX= 290 W-305 W in step of 5 W
	LP156*156-P-72-H-XXX	mc-Si, XXX= 345 W-370 W in step of 5 W
	LP166*166-M-60-MH-xxx	mc-si,xxx=360-380W , in step of 5W
	LP166*166-M-60-MH-xxx	mc-si,xxx=430-455W , in step of 5W
	LP166*166-M-60-MH-xxx	mc-si,xxx=405-415W , in step of 5W
	LP210*210-M-66-MH-630W	Mc-Si,xxx=630W, in step of 5W
	LP210*210-M-66-MH-635W	Mc-Si,xxx=635W, in step of 5W
	LP210*210-M-66-MH-640W	Mc-Si,xxx=640W, in step of 5W
	LP210*210-M-66-MH-645W	Mc-Si,xxx=645W, in step of 5W
	LP210*210-M-66-MH-650W	Mc-Si,xxx=650W, in step of 5W
	LP210*210-M-66-MH-655W	Mc-Si,xxx=655, in step of 5W
	LP210*210-M-66-MH-660W	Mc-Si,xxx=660W, in step of 5W
	LP210*210-M-66-MH-665W	Mc-Si,xxx=665W, in step of 5W
	LP210*210-M-66-MH-670W	Mc-Si,xxx=670W, in step of 5W
	LP210*210-M-60-MH-575W	Mc-Si,xxx=575W, in step of 5W
	LP210*210-M-60-MH-580W	Mc-Si,xxx=580W, in step of 5W
	LP210*210-M-60-MH-585W	Mc-Si,xxx=585W, in step of 5W
	LP210*210-M-60-MH-590W	Mc-Si,xxx=590W, in step of 5W
	LP210*210-M-60-MH-595W	Mc-Si,xxx=595W, in step of 5W
	LP210*210-M-60-MH-600W,	Mc-Si,xxx=600W, in step of 5W
	LP210*210-M-60-MH-605W	Mc-Si,xxx=605W, in step of 5W
	LP210*210-M-60-MH-610W	Mc-Si,xxx=610W, in step of 5W
	LP210*210-M-55-MH-520W	Mc-Si,xxx=520W, in step of 5W
	LP210*210-M-55-MH-525W	Mc-Si,xxx=525W, in step of 5W
	LP210*210-M-55-MH-530W	Mc-Si,xxx=530W, in step of 5W
	LP210*210-M-55-MH-535W	Mc-Si,xxx=535W, in step of 5W
	LP210*210-M-55-MH-540W	Mc-Si,xxx=540W, in step of 5W
	LP210*210-M-55-MH-545W	Mc-Si,xxx=545W, in step of 5W
	LP210*210-M-55-MH-550W	Mc-Si,xxx=550W, in step of 5W
	LP210*210-M-55-MH-555W	Mc-Si,xxx=555W, in step of 5W
	LP210*210-M-40-MH-380W,	Mc-Si,xxx=380W, in step of 5W
	LP210*210-M-40-MH-385W,	Mc-Si,xxx=385W, in step of 5W
	LP210*210-M-40-MH-390W,	Mc-Si,xxx=390W, in step of 5W
	LP210*210-M-40-MH-395W,	Mc-Si,xxx=395W, in step of 5W
	LP210*210-M-40-MH-400W	Mc-Si,xxx=400W, in step of 5W
	LP182*182-M-78-MH-560W	Mc-Si,xxx=560W, in step of 5W
	LP182*182-M-78-MH-565W	Mc-Si,xxx=565W, in step of 5W
	LP182*182-M-78-MH-570W	Mc-Si,xxx=570W, in step of 5W
	LP182*182-M-78-MH-575W	Mc-Si,xxx=575W, in step of 5W
	LP182*182-M-78-MH-580W	Mc-Si,xxx=580W, in step of 5W
	LP182*182-M-78-MH-585W	Mc-Si,xxx=585W, in step of 5W
	LP182*182-M-78-MH-590W	Mc-Si,xxx=590W, in step of 5W
	LP182*182-M-78-MH-595W	Mc-Si,xxx=595W, in step of 5W
	LP182*182-M-78-MH-600W	Mc-Si,xxx=600W, in step of 5W
	LP182*182-M-78-MH-605W	Mc-Si,xxx=605W, in step of 5W
	LP182*182-M-72-MH-515W	Mc-Si,xxx=515W, in step of 5W
	LP182*182-M-72-MH-520W	Mc-Si,xxx=520W, in step of 5W
	LP182*182-M-72-MH-525W	Mc-Si,xxx=525W, in step of 5W
LP182*182-M-72-MH-530W	Mc-Si,xxx=530W, in step of 5W	
LP182*182-M-72-MH-535W	Mc-Si,xxx=535W, in step of 5W	
LP182*182-M-72-MH-540W	Mc-Si,xxx=540W, in step of 5W	
LP182*182-M-72-MH-545W	Mc-Si,xxx=545W, in step of 5W	
LP182*182-M-72-MH-550W	Mc-Si,xxx=550W, in step of 5W	
LP182*182-M-72-MH-555W	Mc-Si,xxx=555W, in step of 5W	
LP182*182-M-66-MH-475W	Mc-Si,xxx=475W, in step of 5W	
LP182*182-M-66-MH-480W	Mc-Si,xxx=480W, in step of 5W	
LP182*182-M-66-MH-485W	Mc-Si,xxx=485W, in step of 5W	
LP182*182-M-66-MH-490W	Mc-Si,xxx=490W, in step of 5W	
LP182*182-M-66-MH-495W	Mc-Si,xxx=495W, in step of 5W	
LP182*182-M-66-MH-500W	Mc-Si,xxx=500W, in step of 5W	
LP182*182-M-66-MH-505W	Mc-Si,xxx=505W, in step of 5W	
LP182*182-M-66-MH-510W	Mc-Si,xxx=510W, in step of 5W	
LP182*182-M-60-MH-430W	Mc-Si,xxx=430W, in step of 5W	

	LP182*182-M-60-MH-435W LP182*182-M-60-MH-440W LP182*182-M-60-MH-445W LP182*182-M-60-MH-450W LP182*182-M-60-MH-455W LP182*182-M-60-MH-460W LP182*182-M-60-MH-465W LP182*182-M-54-MH-390W LP182*182-M-54-MH-395W LP182*182-M-54-MH-400W LP182*182-M-54-MH-405W LP182*182-M-54-MH-410W LP182*182-M-54-MH-415W	Mc-Si,xxx=435W, in step of 5W Mc-Si,xxx=440W, in step of 5W Mc-Si,xxx=445W, in step of 5W Mc-Si,xxx=450W, in step of 5W Mc-Si,xxx=455W, in step of 5W Mc-Si,xxx=460W, in step of 5W Mc-Si,xxx=465W, in step of 5W Mc-Si,xxx=390W, in step of 5W Mc-Si,xxx=395W, in step of 5W Mc-Si,xxx=400W, in step of 5W Mc-Si,xxx=405W, in step of 5W Mc-Si,xxx=410W, in step of 5W Mc-Si,xxx=415W, in step of 5W
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LG electronics	LG275S1C-B3 LG280S1C-B3 LG300N1C-B3 LG305N1C-B3 LG300N1C-G4 LG280S1C-L4 LG285S1C-L4 LG290S1C-L4 LG300N1K-G4 LG305N1C-G4 LG310N1C-G4 LG315N1C-G4 LG320N1C-G4 LGxxxN1C-A5 LGxxxN1K-A5 LGxxxN2C-A5 LGxxxN2W-A5 LGxxxS1C-A5 LG315N1W-G4 LGxxxS2W-A5 LGxxxQ1C-A5 LG340N1C-A5 LGxxxN1C-V5 LGxxxN2W-V5 LGxxxQ1C-V5 LGxxxN1W-A5 LGxxxN1C-V5 LGxxxN1C-L5 LGxxxN1C-N5 LGxxxN2W-L5 LGxxxN2W-N5 LGxxxS2W-U5 LGxxxS2W-U6 LGxxxS1C-U6 LGxxxN2W-E6 LGxxxN1C-E6	sc-Si 275 Wp/0 - +3% sc-Si 280 Wp/0 - +3% sc-Si 300 Wp/0 - +3% sc-Si 305 Wp/0 - +3% sc-Si 300W/0 - +3% sc-Si 280 Wp/0 - +3% sc-Si 285 Wp/0 - +3% sc-Si 290 Wp/0 - +3% sc-Si 300W/0 - +3% sc-Si 305W/0 - +3% sc-Si 310W/0 - +3% sc-Si 315W/0 - +3% sc-Si 320W/0 - +3% Sc-Si 335W, 330W,325W Sc-Si 320W, 315W Sc-Si 410W, 405W, 400W, 395W, 390W Sc-Si 410W, 405W, 400W, 395W, 390W Sc-Si 300W, 295W, 290W Sc-si 315W Sc-Si 360W, 355W, 350W sc-Si 350-370, in step of 5 sc-Si 340 Wp sc-Si 340, 345, 350, 355 W sc-Si 400, 405, 410, 415, 420 W sc-Si, xxx= 365W, 370W and 375W sc-Si, xxx= 330W, 335W and 340W sc-Si, xxx= 320W, 325W, 330W and 335W sc-Si,xxx=340-360W , in step of 5 W sc-Si,xxx=350-370W, in step of 5W sc-Si,xxx=410-430W, in step of 5W sc-Si,xxx=410-430W, in step of 5W sc-Si,375 W ±2.0% sc-si,xxx=445-450W , in step of 5W sc-si,xxx=370-375W , in step of 5W mc-si,xxx=370-390W , in step of 5W mc-si,xxx=440-450W , in step of 5W
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LARRI Solar Technology Co.Ltd	LR6-60-xxxM LR6-72-xxxM	mc-Si 300 -360 W,in steps of 5 mc-Si 250 -300 W,in steps of 5
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PV MODULES		
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Manufacturer name	Product ID	Description
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Loop Inc	LPW-270P-60H LPW-275P-60H	mc-Si 270W mc-Si 275W
	LR6-60-xxxM LR6-72-xxxM LR6-60PE-xxxM LR6-72PE-xxxM LR6-60-xxxM LR6-72-xxxM LR6-60PE-xxxM LR-60BP-xxx LR-72BP-xxx LR6-72PE-xxxM LR6-60HV-xxxM LR6-60PH-xxxM LR6-72HV-xxxM LR6-72PH-xxxM LR4-60HBD-375M LR4-72HBD-xxxM	mc-Si, 270-300 (in step of 5) mc-Si, 320-350 (in step of 5) mc-Si, 280-310 (in step of 5) mc-Si, 340-375 (in step of 5) mc-Si,270W-300W mc-si,320W-350W mc-si,280W-310W mc-Si, 290 - 305, in step of 5 mc-Si,350-370, in step of 5 mc-si,340W-375W 280-300 Wp, in step of 5 280-310 Wp, in step of 5 320-350 Wp, in step of 5 340-385 Wp, in step of 5 mc-Si, 375W mc-Si, 450-455W in steps of 5

Longi green energy technology Co., Ltd	LR4-60HPH-xxxM LR4-72HPH-xxxM LR6-60HPB-xxxM LR4-60HPB-xxxM LR6-72BP-xxxM LR6-60BP-xxxM LR6-72HBD-xxxM LR6-60HBD-xxxM LR6-78HBD-xxxM LR6-72HPH-xxxM, LR6-60HPH-xxxM, LR6-72PE-380M LR4-60HPH-xxxM LR4-72HPH-xxxM LR4-60-HBD-xxxM LR4-72HBD-xxxM LR5-66HBD-xxxM LR5-72HBD-xxxM LR5-66HPH-xxxM LR5-72HPH-xxxM LR4-66HPH-xxxM LR5-66HBD-xxxM LR5-72HBD-xxxM LR5-54HPH-xxxM	mc-Si, 375-380W insteps of 5 mc-Si, 445-460W in steps of 5 mc-Si, 300-320W insteps of 5 mc-Si,355-365W insteps of 5 mc-Si 375-380 W ; in step of 5 mc-Si 310-315W; in step of 5 mc-Si 360-385 W; in step of 5 mc-Si 300-320 W; in step of 5 mc-Si 395-410 W; in step of 5 xxx=350-405,in step of 5 xxx=295-335,in step of 5 mc-Si 380 W mc-si, xxx=350-370 W , in step of 5W mc-si,xxx=420-440W, in step of 5W mc-si,xxx=345-370W , in step of 5W mc-si,xxx=415-445W, in step of 5 W mc-Si,xxx=475-495W , in step of 5W mc-Si,xxx=500-540W , in step of 5W mc-Si,xxx=480-505 , in step of 5W mc-Si,xxx=525-555 , in step of 5W mc-Si, xxx=395-415W , in step of 5W Mc-Si, (xxx=500-505) in step of 5W Mc.Si,(xxx=545-555) in step of 5W Mc-Si, (xxx=400-415) in step of 5W
MAYSUN SOLAR FZCO	MSxxxM-72 MSxxxM-60 MSxxxM-36 MSxxxP-72 MSxxxP-60 MSxxxP-36	Mono-Crystalline Silicon xxx=285-340,in step of 5 Mono-Crystalline Silicon xxx=240-285,in step of 5 Mono-Crystalline Silicon xxx=145-170,in step of 5 Poly-Crystalline Silicon xxx=285-340,in step of 5 Poly-Crystalline Silicon xxx=235-280,in step of 5 Poly-Crystalline Silicon xxx=140-165,in step of 5
Merlin Solar Technologies, Inc.	BR320 BR325 BR330 BR335 BR340 BR345 BR350 FX105 FX110	Mono-Si, 320 W Mono-Si, 325 W Mono-Si, 330 W Mono-Si, 335 W Mono-Si, 335 W Mono-Si, 345 W Mono-Si, 350 W Mono-Si, 105 W Mono-Si, 110 W
PV MODULES		
Manufacturer name	Product ID	Description
Miasole Hi-tech Corp	FLEX-02 xxx NS FLEX-02 xxx N FLEX-02 xxx WS FLEX-02 W FLEX-02 XXX C132 ASM-7-PERC-AAA (AAA: Peak Power in Wp) ASM-6-PERC-AAA (AAA: Peak Power in Wp) ASP-7-AAA (AAA: Peak Power in Wp) ASP-6-AAA (AAA: Peak Power in Wp)	CIGS- 65-85W, in step of 5 CIGS-110-130W, in step of 5 CIGS-210-250W, in step of 10 CIGS-340-380W, in step of 10 CIGS-255 -305W, in step of 5 Monocrystalline, 305-375 Wp, in step of 5W Monocrystalline, 255-315 Wp, in step of 5 Polycrystalline, 285-350 Wp, in step of 5W Polycrystalline, 235-290 Wp, in step of 5W
Mysolar Manufacturing(Shanghai) Co.,Ltd	MSxxxM-S MSxxxP-S MSxxxH-HS MSxxxH-HS MSxxxH-DHBS MSxxxH-DHBS	sc-Si, mc-Si, 95 to 375 sc-Si, mc-Si, 90 to 350 sc-Si, xxx= 370-410 W, in step of 5W sc-Si, xxx=310-340 W, in step of 5W mc-Si, xxx= 360-405 W, in tsep of 5W mc-Si, xxx= 300-335 W, in tsep of 5W
Mundra Solar Energy Limited	ASM-M10-144-xxx	Sc-Si,XXX= 530,535,540, in step of 5W
Nanjing Sunport power	SPPXXXP60 SPPXXXP72	6"Poly - Crystalline (XXX=270-290) 6"Poly - Crystalline(XXX=325-345)
United Renewable Energy Co., Ltd. (URE)	D6PxxxB3A D6PxxxB5A D6PxxxB2A D6PxxxB1A D6PxxxA3A D6PxxxA5A D6PxxxA2A D6PxxxA1A D6LxxxK4A D6LxxxL3A D6LxxxL4A	mc-Si 210 -275 W mc-Si 185-245 W mc-Si 170 - 220 W mc-Si 125-165 W mc-Si 210 - 250 W mc-Si 185 - 225 W mc-Si 170 - 200 W mc-Si 125 - 145 W sc-Si 360 Wp sc-Si 290-305, in step of 5 sc-Si 350-365, in step of 5

NICE SUN PV Co., Ltd	NCS-6BMXXX NCS-6AMXXX NCS-6APXXX	sc-Si 215-285 in increments of 5 sc-Si 255-345 in increments of 5 mc-Si 255-340 in increments of 5
Ningbo Ulica Solar	UL-xxxM-60 UL-xxxP-60 UL-xxxM-72 UL-xxxP-72 UL-XXXP-72 UL-XXXM-72 UL-XXXM-60 UL-XXXM-72 UL-XXXP-60 UL_XXXP_72 UL_XXXM_72 UL_XXXM_60 UL_XXXM_72 UL_XXXP_60 UL-xxxM-24 UL-xxxM-144 UL-xxxM-120	sc-Si 270 W mc-Si 260-270W, in steps of 5 sc-Si 320-330W, in steps of 5 mc-Si 310-320W, in steps of 5 mc-Si 320-335 W, in steps of 5 Sc-Si 340-345W, in steps of 5 Sc-Si 280-290W, in steps of 5 Sc-Si 360-375W, in steps of 5 Sc-Si 270-285W, in steps of 5 mc_Si,320-335WP in steps of 5 Sc-Si,340-345WP in steps of 5 Sc-Si,280-290WP in steps of 5 Sc-Si,360-375WP in steps of 5 mc-Si,270-285WP in steps of 5 sc-si,105-120WP in step of 5 mono-si,xxx= 540 - 545, in steps of 5W mono-si,xxx=375-380 W, in steps of 5W
PV MODULES		
Manufacturer name	Product ID	Description
Noor Solar Technology	NST18-6-xxxP NST32-6-xxxP NST36-6-xxxP NST40-6-xxxP NST48-6-xxxP NST54-6-xxxP NST60-6-xxxP NST66-6-xxxP NST72-6-xxxP NST18-6-xxxM NST32-6-xxxM NST36-6-xxxM NST40-6-xxxM NST48-6-xxxM NST54-6-xxxM NST60-6-xxxM NST18-6-xxxP NST32-6-xxxP NST36-6-xxxP NST40-6-xxxP NST48-6-xxxP NST54-6-xxxP NST60-6-xxxP NST66-6-xxxP NST72-6-xxxP NST18-6-xxxM NST32-6-xxxM NST36-6-xxxM NST40-6-xxxM NST48-6-xxxM NST54-6-xxxM NST60-6-xxxM NST66-6-xxxM NST72-6-xxxM	mc-Si xxx=70 - 80 Wp, in step of 5 mc-Si xxx=120-145 Wp, in step of 5 mc-Si xxx=135-160 Wp, in step of 5 mc-Si xxx=150-180 Wp, in step of 5 mc-Si xxx=180-220 Wp, in step of 5 mc-Si xxx=205-245 Wp, in step of 5 mc-Si xxx=225-275 Wp, in step of 5 mc-Si xxx=250-300 Wp, in step of 5 mc-Si xxx=270-330 Wp, in step of 5 sc-Si xxx=85-95 Wp, in step of 5 sc-Si xxx=145-175 Wp, in step of 5 sc-Si xxx=165-195 Wp, in step of 5 sc-Si xxx=180-220 Wp, in step of 5 sc-Si xxx=220-260 Wp, in step of 5 sc-Si xxx=245-295 Wp, in step of 5 sc-Si xxx=270-330 Wp, in step of 5 sc-Si xxx= 70-80WP , insteps of 5 sc-Si xxx= 120-145Wp, insteps of 5 sc-Si xxx= 135-160WP, insteps of 5 sc-Si xxx= 150-180Wp, insteps of 5 sc-Si xxx= 180-220WP, insteps of 5 sc-Si xxx= 205-245Wp, insteps of 5 sc-Si xxx= 225-275Wp, insteps of 5 sc-Si xxx= 250-300Wp, insteps of 5 sc-Si xxx= 270-300Wp, insteps of 5 mc-Si xxx= 85-95Wp, insteps of 5 mc-Si xxx=145-175Wp, insteps of 5 mc-Si xxx=165-195Wp, insteps of 5 mc-Si xxx=180-220 Wp, insteps of 5 mc-si xxx=225-260Wp, insteps of 5 mc-Si xxx=245-295Wp, insteps of 5 mc-Si xxx=270-330 Wp, in step of 5 mc-Si xxx=300-360Wp, insteps of 5 mc-Si xxx=325-395Wp, insteps of 5
Omsun Power Private Limited	OM60XXX OM60XXX OM54XXX OM36XXX OM36XXX	Mc-Si 210-275 W Mc-Si 180-200 W Mc-Si 150-170 W Mc-Si 110-140 W Mc-Si 100 W
	434 BA-10000500-20-1 X3X-BN-12451849-00-1 X3X-BN-12451849-10-1 X3X-BN-12451849-20-1 X3X-BN-12451849-30-1 X3X-BN-12452456-00-1 X3X-BN-12452456-10-1 X3X-BN-12452456-20-1 X3X-BN-12452456-30-1	a-Si 16W (+/-10%) X= 4/5/6, a- Si 136.53 Wp X= 4/5/6, a-Si 99.36 Wp X= 4/5/6, a-Si 78.84 Wp X= 4/5/6, a-Si 60.71 Wp X= 4/5/6, a-Si 182.04 Wp X= 4/5/6, a-Si 132.48 Wp X= 4/5/6, a-Si 105.12 Wp X= 4/5/6, a-Si 80.94 Wp

ONYX SOLAR ENERGY, S.L.

X3X-BN-12450635-00-1
 X3X-BN-12450635-10-1
 X3X-BN-12450635-20-1
 X3X-BN-12450635-30-1
 X3X-BN-12451242-00-1
 X3X-BN-12451242-10-1
 X3X-BN-12451242-20-1
 X3X-BN-12451242-30-1
 636-BN-06000600-00-1
 636-BN-24620635-10-1

ONYX G/G A XXXXX

X= 4/5/6, a-Si 45.51 Wp
 X= 4/5/6, a-Si 33.12 Wp
 X= 4/5/6, a-Si 26.28 Wp
 X= 4/5/6, a-Si 20.24 Wp
 X= 4/5/6, a-Si 91.02 Wp
 X= 4/5/6, a-Si 66.24 Wp
 X= 4/5/6, a-Si 52.56 Wp
 X= 4/5/6, a-Si 40.47 Wp
 a-Si 20.06 Wp
 a-Si 63.0 Wp
 A: M Monocrystalline or P Multicrystalline,
 XXX= Quantity of Cells (036 to 168),
 X=Frontal Glass Thickness (4mm to 10mm),
 X=Rear Glass Thickness (4mm to 10mm),
 Peak Power: 140 - 650 Wp

PV MODULES

Manufacturer name	Product ID	Description
Panasonic	VBMS260AE04	Poly 260 W
	VBMS255AE04	Poly 255 W
	VBMS250AE04	Poly 250 W
	VBHN235SJ25	HIT Cell Technology 235W
	VBHN240SJ25	HIT Cell Technology 240W
	VBHN245SJ25	HIT Cell Technology 245W
	VBHN235SE10	HIT Cell Technology 235W
	VBHN294SJ45	HIT Cell Technology 294W
	AE6PXXXWB5B	mc-si,265W-275W (in step of 5)
	AE7PXXXWB5B	mc-si,320W-325 w (in step of 5)
	VBHN325SJ47	HIT Cell Technology 325W
VBMS380AJ09	Monocrystalline, 380 W	
Perlight Solar Co. Ltd	PLM-XXXP-72	mc-Si 235-320W, in steps of 5
	PLM-XXXP-60	mc-Si 195-265W, in steps of 5
	PLM-XXXP-60	mc-Si 240-260W, in steps of 5
	PLM-XXXP-54	mc-Si 220-235W, in spets of 5
	PLM-XXXP-36	mc-Si 145-155W, in steps of 5
	PLM-XXXP-48	mc-Si 195-210W, in steps of 5
	PLM-XXXM-96	sc-Si 230-280W, in steps of 5
	PLM-XXXM-72	sc-Si 290-315W, in steps of 5
	PLM-XXXM-60	sc-Si 240-265 W, in steps of 5
	PLM-XXXM-54	sc-Si 220-235W, in steps of 5
	PLM-XXXM-36	sc-Si 145-155W, in steps of 5
	PLM-XXXM-48	sc-Si 195-210W, in steps of 5
	PLM-XXXM-66	sc-Si 265-290W, in steps of 5
	PLM-XXXMB-72	sc-Si 290-315 W, in steps of 5
Peimar	OR6HxxxM	sc-si ,xxx=375,450 W
	SFxxxM	sc-si ,xxx=345,350, 420 W
	SGxxxP	mc-si ,xxx=290 ,340 W
	SMxxxM	mc-si,xxx=325 ,330,400 W
	SF360M	se-si ,xxx=360, in step of 5W
	SF430M	se-si ,xxx=430, in step of 5W
	SG350P	Me-si ,xxx=350, in step of 5W
	SM350M	sc-si ,xxx=350, in step of 5W
	OR6H370M	se-si ,xxx=370, in step of 5W
	OR6H380M	se-si ,xxx=380, in step of 5W
	OR6H460M	se-si ,xxx=460, in step of 5W
OR10H545M	se-si ,xxx=545, in step of 5W	
Philadelphia Solar	PLM-XXXMB-60	sc-Si 240-265W, in steps of 5
	PLM-XXXMB-54	sc-Si 220-235W, in steps of 5
	PLM-XXXMB-48	sc-Si 195-210W, in steps of 5
	PS-P72 XXX	mc-Si 300-330W, in steps of 5
	PS-P60 XXX	mc-Si 250-275W, in steps of 5
	PS-M72 XXX	sc-Si 300-345W, in steps of 5
PS-M60 XXX	sc-Si 250-290W, in steps of 5	
	PSS-24 xxx	mc-si ,xxx=295-355 , in step of 5w
	PSS-24xxx	mc-si ,xxx=358
	PSS-24xxx	mc-si,xxx=293
	PSS-xxx	mc-si,xxx=270-325w , in step of 5w
	PSS-20xxx	mc-si,xxx=245-295w , in step of 5w
	PSS-18xxx	mc-si,xxx=220-265w , in step of 5w
	PSS-16xxx	mc-si,xxx=195-235w , in step of 5w
	PSS-12 xxx	mc-si,xxx=150-175w , in step of 5w

Premier Energies

PSS-12xxx	mc-si,xxx=12179
PE-xxxHM	xxx = 555-575 in increment of 5
PE-xxxHM	xxx = 555-575 in increment of 5
PE-xxxHM	xxx = 515-555 in increment of 5
PE-xxxHM	xxx = 365-445, in increment of 5
PE-xxxHM	xxx = 335-405, in increment of 5
PE-xxxHM	xxx = 305-370, in increment of 5
PE-xxxHM	xxx = 245-270, in increment of 5
PE-xxxHM	xxx = 185-205, in increment of 5
PE-xxxHM	xxx = 120-135, in increment of 5
PE-xxxHM	xxx = 90-100, in increment of 5
PE-xxxHM	xxx = 60-65, in increment of 5
PE-xxxHM	xxx = 45-50, in increment of 5
PE-xxxHM	xxx = 30-35, in increment of 5
PE-xxxHC	xxx = 305-340, in increment of 5
PE-xxxHC	xxx = 275-310, in increment of 5
PE-xxxHC	xxx = 245-280, in increment of 5
PE-xxxHC	xxx = 220-250, in increment of 5
PE-xxxHC	xxx = 165-185, in increment of 5
PE-xxxHC	(xxx=330-375,in increment of 5)
PE-25HM	10cells: PE-25HM
PE-20HM	8cells: PE-20HM
PE-15HM	6cells: PE-15HM
PE-10HM	4cells: PE-10HM
PE-5HM	2cells: PE-5HM

Phono Solar Technology Co., Ltd

PSXXXM-24/F	C-Si 170-210 W
PSxxxPH-24/T	mc-Si,315W/335W, in steps of 5w;
PSxxxPH-20/U	mc-Si,260W/280W,in steps of 5w;
PSxxxPH-24/TH	mc-Si,325W/340W,in steps of 5w;
PSxxxPH-20/UH	mc-Si,270W/280W. In steps of 5W
PSxxxP-24/T	mc-Si,315W/335W,in steps of 5w;
PSxxxP-20/U	mc-Si,260W/280W,in steps of 5w;
PSxxxP-20/UH	mc-Si,270W/280W. In steps of 5W
PSxxxP-24/TH	mc-Si,325W/340W,in steps of 5w;
PSxxxMH-24/T	sc-Si,325W/385W,insteps of 5w;
PSxxxMH-20/U	sc-Si,275W/320W,insteps of 5w;
PSxxxMH-24/TH	sc-Si, 360W/390W,insteps of 5w;
PSxxxMH-20/UH	sc-Si,300W/325W,insteps of 5w;
PSxxxM-24/T	sc-Si,325W/385W,insteps of 5w;
PSxxxM-20/U	sc-Si,275W/320W,insteps of 5w;
PSxxxM-24/TH	sc-Si,360/390,in steps of 5w;
PSxxxM-20/UH	sc-Si,300W/325W,insteps of 5w;
PSXXXM-20/U	C-Si 215-280W
PSXXXM-24/T	C-Si 280-340W
PSXXXP-20/U	C-Si 215-275W
PSXXXP-24/T	C-Si 275-335W
PSxxxM1H-24/TH	sc-si,xxx=375-435W
PSxxxM1H-20/UH	sc-si,xxx=310-360W
PSxxxM1H-24/T	sc-si,xxx=375-395
PSxxxM1H-20/U	sc-si,xxx=315-330W , in steps of 5W
PSxxxM4H-24/TH	sc-si,xxx=430-455W , in step of 5W
PSxxxM4H-22/WH	sc-si,xxx=395-415W , in step of 5W
PSxxxM4H-20/UH	sc-si,xxx=360-380W, n step of 5W
PSxxxM4H-18/VH	sc-si,xxx=325-345W,in step of 5W
PSxxxM6H-24/TH	sc-si,xxx=525-555W,in step of 5W
PSxxxM6H-22/WH	sc-si,xxx=485-505W,in step of 5W
PSxxxM6H-20/UH	sc-si,xxx=440-460W,in step of 5W
PSxxxM6H-18/VH	sc-si,xxx=395-415W,in step of 5W
PSxxxM1-24/TH	sc-si,xxx=375-435W,in step of 5W
PSxxxM1-20/UH	sc-si,xxx=310-360W ,in step of 5W
PSxxxM1-24/T	sc-si,xxx=375-395W,in step of 5W
PSxxxM1-20/U	sc-si,xxx=315-330W ,in step of 5W
PSxxxM4-24/TH	sc-si,xxx=430-455W,in step of 5W
PSxxxM4-22/WH	sc-si,xxx=395-415W,in step of 5W
PSxxxM4-20/UH	sc-si,xxx=360-380W,in step of 5W
PSxxxM4-18/VH	sc-si,xxx=325-345W,in step of 5W
PSxxxM6-24/TH	sc-si,xxx=525-555W,in step of 5W
PSxxxM6-22/WH	sc-si,xxx=485-505W,in step of 5W

	PSxxxM6-20/UH PSxxxM6-18/VH	sc-si,xxx=440-460W,in step of 5W sc-si,xxx=395-415W,in step of 5W
QingHai Huanghe Hydropower Development Co., Ltd. Xining Solar Power Branch	SPICN6(LAR)-40-235/IH SPICN6(LAR)-60-xxx/IH SPICN6(LAR)-66-xxx/IH SPICN6(LAR)-72-xxx/IH SPICN6(LDF)-60-xxx/BIH SPICN6(LDF)-66-xxx/BIH SPICN6(LDF)-72-xxxBIH	Sc-Si,XXX=235, in step of 5W Sc-Si,XXX=360-400, in step of 5W Sc-Si,XXX=395-435 in step of 5W Sc-Si,XXX=430-475 in step of 5W (xxx=375-395,in steps of 5W (xxx=415-435,in steps of 5W (xxx=455-470,in steps of 5W
REC Solar	REC265TP REC270TP REC275TP REC280TP REC xxx PE 72 REC 260 PE RECxxxPE 72 RECxxxPE RECxxxPE BLK RECxxxPE2S 72 RECxxxPE2S 72 XV RECxxxTP 72 RECxxxTP 72 XV RECxxxTP RECxxxTP BLK RECxxxTP2 RECxxxTP2 BLK RECxxxTP2S 72 RECxxxTP2S 72 RECxxxTP2S 72 XV RECxxxTP2S72 RECxxxTP2S72 XV RECxxxNP RECxxx AA 72 XV RECxxx TP2SM 72 XV REC xxxAA REC xxxTP3SM 72 XV RECxxxTP4 Black RECxxxTP3M RECxxxAA Pure RECxxxTP4	multicrystalline (mc-Si) , 265 W multicrystalline (mc-Si) , 270 W multicrystalline (mc-Si), 275 W multicrystalline (mc-Si) , 280 W multicrystalline (mc-Si), 295 - 315 W, in steps of 5 multicrystalline (mc-Si) , 260 W multicrystalline (mc-Si) , 300 - 320 Wp multicrystalline (mc-Si), 245 - 270 Wp multicrystalline (mc-Si) , 245 - 270 Wp multicrystalline (mc-Si) , 320 - 330 Wp multicrystalline (mc-Si) , 320 - 330 Wp multicrystalline (mc-Si) , 330 - 350 Wp multicrystalline (mc-Si), 330 - 350 Wp multicrystalline (mc-Si), 265 - 285 Wp multicrystalline (mc-Si), 265 - 285 Wp multicrystalline (mc-Si), 280 - 295 Wp multicrystalline (mc-Si), 280 - 295 Wp multicrystalline (mc-Si), 330 - 350 Wp multicrystalline (mc-Si), 330 - 350 Wp multicrystalline (mc-Si), 330 - 350 Wp mc-Si 330-355 Wp, in step of 5 Wp mc-Si 330-355 Wp, in step of 5 Wp sc-Si 310-330 Wp, in steps of 5 Wp (Sc-Si) Hetrojunction technology,420-445Wp Sc-Si,350-400Wp (Sc-Si) Hetrojunction technology,340-380W sc-Si ,xxx=350-400W , in step of 5W sc-si,xxx=355W – 380W , in step of 5W sc-si ,275-340 W , in step of 5W sc-si ,385-410 W , in step of 5W sc-si,xxx=355W – 380W , in step of 5W
ReNESOLA Jiangsu Ltd	JCxxxS-24/Abs JCxxxS-24/Bbs JCxxxM-24/Abs JCxxxM-24/Bbs JCxxxM-24/Abpw JCxxxM-24/Bbpw JCxxxM-24/Abpw RS4-xxxM-E1 RS4-xxxM-E2 RS6-xxxM-E1 RS6-xxxM-E2 RS6-xxxM-E3	sc-Si 315-335W, in steps of 5 sc-Si 255-280W, in steps of 5 mc-Si 310-335W, in steps of 5 mc-Si 255-285W, in steps of 5 mc-Si, xxx- 315 to 335, in step of 5w. mc-Si, xxx-265 to 285, in step of 5w. mc-Si, xxx-340 to 345, in step of 5w. Sc-Si,xxx- 440 to 460W, ins step of 5 Sc-Si,xxx- 440 to 460W, ins step of 5 Sc-Si,xxx- 525 to 555W, in step of 5 Sc-Si,xxx- 525 to 555W, in step of 5 Sc-Si,xxx- 525 to 555W, in step of 5
ReNESOLA Energy Nantong Co., Ltd.	JCxxxS-Abcp JCxxxS-Abcp	sc-si, xxx= 420 to 450W, in steps of 5W sc-si, xxx=525-555W , in step of 5W
Resun Solar Energy Co.,Ltd	RS5MxxxM RS5AxxxM RS5GxxxM RS6SxxxM RS6CxxxM RS6DxxxM RS6FxxxM RS6SxxxP RS6CxxxP RS6DxxxP RS6FxxxP RS6ExxxP	sc-Si,235-280, in step of 5 sc-Si,175-210, in step of 5 sc-Si,90-105, in step of 5 sc-Si,300-325, in step of 5 sc-Si,250-270, in step of 5 sc-Si,205-245, in step of 5 sc-Si,180-215, in step of 5 mc-si,295-330, in step of 5 mc-si,240-275, in step of 5 mc-si, 205-245, in step of 5 mc-si,180-220, in step of 5 mc-si,140-165, in step of 5

<p>RISEN Energy Co Ltd.</p>	<p>SYP200P SYP 245S RSM36-6-150P RSM60-6-XXXP RSM72-6-XXXP RSM60-6-XXXPDG RSM120-6-XXXP RSM144-6-XXXM RSM144-6-XXXP RSM60-6-XXXM RSM72-6-XXXM RSM60-6-XXXMDG RSM60-6-XXXPDG RSM72-6-XXXMDG RSM72-6-XXXPDG RSM120-6-XXXM RSM144-6-XXXM RSM120-6-XXXBMDG RSM 132-6-XXXBMDG</p>	<p>mc-Si 200W ±3% mc-Si 245W mc-Si 150W +3% +ve power tolerance mc-Si 260-295W, in steps of 5 +3% +ve power tolerance mc-Si 330-385 Wp , in steps of 5 +3% +ve power tolerance mc-Si 255-265W, in steps of 5 +3% +ve power tolerance mc-Si,275 to 305W, in steps of 5w sc-Si, 410 to 415W, in steps of 5W mc-Si, 330 to 365W, in steps of 5w sc-Si, 275-320W in step of 5 Sc-Si, 330-385 in step of 5 SC-Si, 320W to 320W in step of 5 mc-Si,300 to 300W, in steps of 5w SC-Si, 315 to 385W, in steps of 5w mc-Si,315 to 360W, in steps of 5w sc-si, 295 to 350W, in steps of 5W Sc-si, 350 to 405W, in step of 5W sc-si, 300 to 350W, in steps of 5W sc-Si, 330-370W in steps of 5</p>	
<p>RISEN Energy Co Ltd.</p>	<p>RSM144-6-XXXBMDG RSM60-6-XXXBMDG RSM72-6-XXXBMDG RSM120-6-XXXM RSM120-7-XXXM RSM144-6-XXXM RSM144-7-XXXM RSM156-6-XXXM RSM120-6-XXXBHDG RSM144-6-XXXBHDG RSM-120-7-XXX-BMDG RSM-132-7-XXX-BMDG RSM-144-7-XXX-BMDG RSM150-8-xxxM RSM150-8-xxxBMDG RSM120-9-XXXM RSM132-9-XXXM RSM144-9-XXXM RSM120-9-XXXBMDG RSM132-9-XXXBMDG RSM144-9-XXXBMDG RSM40-8-xxxM, RSM40-8-xxxMB, RSM110-8-xxxBMDG RSM120-8-xxxBMDG, RSM110-8-xxxM RSM120-8-xxxM RSM132-8-xxxM RSM132-8-xxxBMDG</p>	<p>sc-Si, 360 to 415W, in steps of 5W sc-Si, 280-325W in steps of 5 sc-Si, 340 to 385W in steps of 5 sc-si ,355 -375W , in step of 5 Sc-si ,355 -375W , in step of 5 sc-Si,425 -450, instep of 5W sc-Si,425 -450W, in steps of 5w sc-Si,410-455W, in step of 5W sc-Si,330-360W , in step of 5W sc-Si,400- 430W , in step of 5W sc-Si,xxx=355-380W , in step of 5W sc-Si,xxx=390-420W, in step of 5W sc-Si,xxx=425-455W, in step of 5W sc-Si,xxx=465-505W , in step of 5W sc-Si,xxx=465-510W , in step of 5W sc-si ,xxx=440 to 465W, in step of 5W sc-si ,xxx=485 to 510W , in step of 5W sc-si ,xxx=525 to 555W, in step of 5W sc-si ,xxx=435 to 460W, in step of 5W sc-si ,xxx=480 to 505W, in step of 5W sc-si ,xxx=520-550W, in step of 5W sc-si,xxx=385-415W, in steps of 5W sc-si,xxx= 385-415W, in steps of 5W; sc-si, xxx= 525-560W, in steps of 5W; sc-si,xxx=560-610W, in steps of 5W. sc-si,xxx=525-560W , in step of 5W sc-si,xxx=575-610W , , in step of 5W sc-si,xxx= 640-670W, , in step of 5W sc-si,xxx=640-670W, , in step of 5W</p>	
<p>RenewSys India Private Limited</p>	<p>DESERV 3M6 XXX DESERV 3M6 XXX DESERV 3M6 XXX DESERV 3M6 XXX 3S6H Series DESERV 3M6 XXX DESERV SGALACTIC DESERV 3S6H DESERV SGALACTIC DESERV EXTREME</p>	<p>mc-si (36 cells) 140 W - 170 W mc-si (48 cells) 185 W - 230W mc-si (54 cells) 210 W - 260 W mc-si (60 cells) 235 W - 285 W Sc-Si,160Wp to 390Wp mc-si (72 cells) 280 W - 345 W sc-si,xxx=380 Wp - 405 Wp , in step of 5W sc-si,xxx=375 W - 400 Wp, in step of 5W Sc-Si,xxx=430Wp-590Wp Sc-Si,xxx=430Wp-590Wp</p>	

Recom Silla Sas

RCM-xxx-SMT2
RCM-xxx-SMS1
RCM-xxx-SMT
RCM-xxx-SMS
RCM-xxx-SMC
RCM-xxx-SMB
RCM-xxx-SMA
RCM-xxx-SMT1

Mc-Si,xxx=645-655 in step of 5W
Mc-Si,xxx=535-550, in Step of 5W
Mc-Si, xxx=635-655, in Step of 5W
Mc-Si,xxx=530-545, in Step of 5W
Mc-Si, xxx=505-520,in Step of 5W
Mc-Si, xx=380-415,in Step of 5W
Mc-Si,xxx=460-500, in Step of 5W
Mc-Si ,xxx=605-625 in step of 5W

RKM LIGHTWAY GREEN ENERGY TECHNOLOGY LLC	LW6M60-xxx	sc-Si, xxx=260-325, in increment of 5
	LW6P72-xxx	mc-Si,xxx=305-340, in increment of 5
	LW6M72-xxx	sc-Si, xxx=310-390, in increment of 5
	LW6P60-xxx	mc-Si, xxx= 255-280, in increment of 5
	LW6MH60-xxx	sc-Si, xxx=315-345, in increment of 5
	LW6MH66-xxx	sc-Si, xxx=345-380, in increment of 5
	LW6MH72-xxx	sc-Si, xxx=375-415, in increment of 5
	LW6P60-xxx	mc-Si, xxx=255-280, in increment of 5
	LW6PH60-xxx	mc-Si, xxx=280-310, in increment of 5
	LW6PH72-xxx	mc-Si, xxx=335-375, in increment of 5
Saatvik Green Energy Pvt. Ltd	SGE325-72P	ms-Si 325 W
	SGE330-72P	ms-Si 330 W
	SGE260-60P	ms-Si 260 W
	SGE270-60P	ms-Si 270 W
Solar One Co W.L.L	S1-xxx-72MH	mc-si,xxx=360-390wp, in step of 5W
	S1-xxx-72M	mc-si,xxx=360-390wp, in step of 5W
	S1-xxx-60M	mc-si,xxx=300-330wp, in step of 5W
	S1-xxx-144M	sc-si,xxx=435-450wpp , in step of 5W
	S1-xxx-144MH	sc-si,xxx=435-450wpp , in step of 5W
	S1-xxx-144M	sc-si,xxx=535-545wpp , in step of 5W
	S1-xxx-144MH	sc-si,xxx=535 - 545wpp , in step of 5W
S-Energy	SM-xxxPC8	Mc-Si 250-260W, in steps of 5
	SM-xxxPC8	Mc-Si 295-305W, in steps of 5
	SN-xxxP10	Mc-Si 250-265W, in steps of 5
	SN-xxxP10	Mc-Si 295-315W, in steps of 5
Solvis d.o.o.	SV60-xxxE	monocrystalline 290-405, in step of 5
	SV60-xxx	polycrystalline 270-290, in step of 5
	SV72-xxxE	monocrystalline 345-365, in step of 5
	SV72-xxx	polycrystalline 320-340, in step of 5

PV MODULES

Manufacturer name	Product ID	Description
	SUNOVATION eFORM Arc GG-260-C	sc-Si 215.8 Wp
	SUNOVATION eFORM Arc GG-125-C	sc-Si 107.9 Wp
	SUNOVATION eFORM Arc GG-160-C	sc-Si 134.9 Wp
	SUNOVATION eFORM Arc GG-130-C	sc-Si 107.9 Wp
	SUNOVATION eFORM Color GG-195-F	sc-Si 161.8 Wp
	SUNOVATION eFORM Color GG-95-F	sc-Si 80.9 Wp
	SUNOVATION eFORM Color GG-120-F	sc-Si 100.1 Wp
	SUNOVATION eFORM Color GG-100-F	sc-Si 80.9 Wp
	SUNOVATION eFORM Color GG-160-F	sc-Si 134.9 Wp
	SUNOVATION eFORM Color GG-190-F	sc-Si 161.8 Wp
	RA-01o-0	Mono Crystalline 524 Wp
	RA-01i-0	Mono Crystalline 436 Wp
	RA-C1o-0	Mono Crystalline 554 Wp
	RA-C1i-0	Mono Crystalline 436 Wp
	RA-C2o-0	Mono Crystalline 554 Wp
	RA-C2i-0	Mono Crystalline 436 Wp
	RB-01o-0	Mono Crystalline 568 Wp
	RB-01i-0	Mono Crystalline 514 Wp
	RB-C1o-0	Mono Crystalline 568 Wp
	RB-C1i-0	Mono Crystalline 514 Wp
	RB-C2o-0	Mono Crystalline 568 Wp
	RB-C2i-0	Mono Crystalline 514 Wp
	RC-01o-0	Mono Crystalline 573 Wp
	RC-01i-0	Mono Crystalline 539 Wp
	RC-C1o-0	Mono Crystalline 593 Wp
	RC-C1i-0	Mono Crystalline 539 Wp
	RC-C2o-0	Mono Crystalline 593 Wp
	RC-C2i-0	Mono Crystalline 539 Wp
	RD-01o-0	Mono Crystalline 578 Wp
	RD-01i-0	Mono Crystalline 558 Wp
	RD-C1o-0	Mono Crystalline 578 Wp
	RD-C1i-0	Mono Crystalline 558 Wp

Sunovation

RD-C2o-0	Mono Crystalline 578 Wp
RD-C2i-0	Mono Crystalline 558 Wp
RE-01o-0	Mono Crystalline 583 Wp
RE-01i-0	Mono Crystalline 583 Wp
RE-C1o-0	Mono Crystalline 583 Wp
RE-C1i-0	Mono Crystalline 583 Wp
RE-C2o-0	Mono Crystalline 583 Wp
RE-C2i-0	Mono Crystalline 583 Wp
RF-01o-0	Mono Crystalline 588 Wp
RF-01i-0	Mono Crystalline 583 Wp
RF-C1o-0	Mono Crystalline 588 Wp
RF-C1i-0	Mono Crystalline 583 Wp
RF-C2o-0	Mono Crystalline 588 Wp
RF-C2i-0	Mono Crystalline 583 Wp
SA-01o-0	Mono Crystalline 593 Wp
SA-01i-0	Mono Crystalline 583 Wp
SA-C1o-0	Mono Crystalline 593 Wp
SA-C1i-0	Mono Crystalline 583 Wp
SA-C2o-0	Mono Crystalline 593 Wp
SA-C2i-0	Mono Crystalline 583 Wp
SA-02o-R	Mono Crystalline 583 Wp
SA-02o-L	Mono Crystalline 583 Wp
SA-03o-R	Mono Crystalline 480 Wp
SA-03o-L	Mono Crystalline 480 Wp
SA-04o-R	Mono Crystalline 363 Wp
SA-04o-L	Mono Crystalline 363 Wp
SA-05o-R	Mono Crystalline 265 Wp
SA-05o-L	Mono Crystalline 265 Wp
SA-06o-R	Mono Crystalline 171 Wp
SA-06o-L	Mono Crystalline 171 Wp
SA-07o-R	Mono Crystalline 83 Wp
SA-07o-L	Mono Crystalline 83 Wp

PV MODULES

Manufacturer name	Product ID	Description
	SA-08-R	Mono Crystalline 598 Wp
	SA-08-L	Mono Crystalline 598 Wp
	SA-09-R	Mono Crystalline 519 Wp
	SA-09-L	Mono Crystalline 519 Wp
	SA-10-R	Mono Crystalline 451 Wp
	SA-10-L	Mono Crystalline 451 Wp
	SA-11-R	Mono Crystalline 382 Wp
	SA-11-L	Mono Crystalline 382 Wp
	SA-12-R	Mono Crystalline 318 Wp
	SA-12-L	Mono Crystalline 318 Wp
	SA-13-R	Mono Crystalline 255 Wp
	SA-13-L	Mono Crystalline 255 Wp
	SA-14-R	Mono Crystalline 196 Wp
	SA-14-L	Mono Crystalline 196 Wp
	SA-15-R	Mono Crystalline 147 Wp
	SA-15-L	Mono Crystalline 147 Wp
	SA-16-R	Mono Crystalline 98 Wp
	SA-16-L	Mono Crystalline 98 Wp
	SA-17-R	Mono Crystalline 54 Wp
	SA-17-L	Mono Crystalline 54 Wp
	SB-01o-0	Mono Crystalline 598 Wp
	SB-01i-0	Mono Crystalline 583 Wp
	SB-C1o-0	Mono Crystalline 598 Wp
	SB-C1i-0	Mono Crystalline 583 Wp
	SB-C2o-0	Mono Crystalline 598 Wp
	SB-C2i-0	Mono Crystalline 583 Wp
	SB-02o-R	Mono Crystalline 485 Wp
	SB-02o-L	Mono Crystalline 485 Wp
	SB-03o-R	Mono Crystalline 343 Wp
	SB-03o-L	Mono Crystalline 343 Wp
	SB-04o-R	Mono Crystalline 201 Wp
	SB-04o-L	Mono Crystalline 201 Wp

Sunovation

SB-05o-R	Mono Crystalline 78 Wp
SB-05o-L	Mono Crystalline 78 Wp
SB-06-R	Mono Crystalline 554 Wp
SB-06-L	Mono Crystalline 554 Wp
SB-07-R	Mono Crystalline 446 Wp
SB-07-L	Mono Crystalline 446 Wp
SB-08-R	Mono Crystalline 323 Wp
SB-08-L	Mono Crystalline 323 Wp
SB-09-R	Mono Crystalline 225 Wp
SB-09-L	Mono Crystalline 225 Wp
SB-10-R	Mono Crystalline 122 Wp
SB-10-L	Mono Crystalline 122 Wp
SB-11-R	Mono Crystalline 24 Wp
SB-11-L	Mono Crystalline 24 Wp
SC-01o-0	Mono Crystalline 603 Wp
SC-01i-0	Mono Crystalline 583 Wp
SC-C1o-0	Mono Crystalline 603 Wp
SC-C1i-0	Mono Crystalline 583 Wp
SC-C2o-0	Mono Crystalline 603 Wp
SC-C2i-0	Mono Crystalline 583 Wp
SC-02o-R	Mono Crystalline 505 Wp
SC-02o-L	Mono Crystalline 505 Wp
SC-03o-R	Mono Crystalline 328 Wp
SC-03o-L	Mono Crystalline 328 Wp
SC-04o-R	Mono Crystalline 181 Wp
SC-04o-L	Mono Crystalline 181 Wp
SC-05-R	Mono Crystalline 627 Wp
SC-05-L	Mono Crystalline 627 Wp
SC-06-R	Mono Crystalline 490 Wp
SC-06-L	Mono Crystalline 490 Wp
SC-07-R	Mono Crystalline 358 Wp

PV MODULES

Manufacturer name	Product ID	Description
	SC-07-L	Mono Crystalline 358 Wp
	SC-08-R	Mono Crystalline 230 Wp
	SC-08-L	Mono Crystalline 230 Wp
	SC-09-R	Mono Crystalline 98 Wp
	SC-09-L	Mono Crystalline 98 Wp
	SD-01o-0	Mono Crystalline 612 Wp
	SD-01i-0	Mono Crystalline 583 Wp
	SD-C1o-0	Mono Crystalline 617 Wp
	SD-C1i-0	Mono Crystalline 583 Wp
	SD-C2o-0	Mono Crystalline 617 Wp
	SD-C2i-0	Mono Crystalline 583 Wp
	SD-02o-R	Mono Crystalline 534 Wp
	SD-02o-L	Mono Crystalline 534 Wp
	SD-03o-R	Mono Crystalline 377 Wp
	SD-03o-L	Mono Crystalline 377 Wp
	SD-04o-R	Mono Crystalline 220 Wp
	SD-04o-L	Mono Crystalline 220 Wp
	SD-05o-R	Mono Crystalline 64 Wp
	SD-05o-L	Mono Crystalline 64 Wp
	SD-06-R	Mono Crystalline 524 Wp
	SD-06-L	Mono Crystalline 524 Wp
	SD-07-R	Mono Crystalline 387 Wp
	SD-07-L	Mono Crystalline 387 Wp
	SD-08-R	Mono Crystalline 250 Wp
	SD-08-L	Mono Crystalline 250 Wp
	SD-09-R	Mono Crystalline 113 Wp
	SD-09-L	Mono Crystalline 113 Wp
	SE-01o-0	Mono Crystalline 612 Wp
	SE-01i-0	Mono Crystalline 583 Wp
	SE-C1o-0	Mono Crystalline 617 Wp
	SE-C1i-0	Mono Crystalline 583 Wp
	SE-C2o-0	Mono Crystalline 617 Wp
	SE-C2i-0	Mono Crystalline 583 Wp

Sunovation

SE-02o-R	Mono Crystalline	529 Wp
SE-02o-L	Mono Crystalline	529 Wp
SE-03o-R	Mono Crystalline	412 Wp
SE-03o-L	Mono Crystalline	412 Wp
SE-04o-R	Mono Crystalline	284 Wp
SE-04o-L	Mono Crystalline	284 Wp
SE-05o-R	Mono Crystalline	157 Wp
SE-05o-L	Mono Crystalline	157 Wp
SE-06o-R	Mono Crystalline	34 Wp
SE-06o-L	Mono Crystalline	34 Wp
SE-07-R	Mono Crystalline	514 Wp
SE-07-L	Mono Crystalline	514 Wp
SE-08-R	Mono Crystalline	392 Wp
SE-08-L	Mono Crystalline	392 Wp
SE-09-R	Mono Crystalline	269 Wp
SE-09-L	Mono Crystalline	269 Wp
SE-10-R	Mono Crystalline	147 Wp
SE-10-L	Mono Crystalline	147 Wp
SF-01i-0	Mono Crystalline	583 Wp
SF-C1o-0	Mono Crystalline	314 Wp
SF-C1i-0	Mono Crystalline	583 Wp
SF-C2o-0	Mono Crystalline	314 Wp
SF-C2i-0	Mono Crystalline	583 Wp
SF-01o-R	Mono Crystalline	299 Wp
SF-01o-L	Mono Crystalline	299 Wp
SF-02o-R	Mono Crystalline	265 Wp
SF-02o-L	Mono Crystalline	265 Wp
SF-03o-R	Mono Crystalline	245 Wp
SF-03o-L	Mono Crystalline	245 Wp
SF-04o-R	Mono Crystalline	216 Wp

PV MODULES

Manufacturer name	Product ID	Description
Sunovation	SF-04o-L	Mono Crystalline 216 Wp
	SF-05o-R	Mono Crystalline 176 Wp
	SF-05o-L	Mono Crystalline 176 Wp
	SF-06o-R	Mono Crystalline 132 Wp
	SF-06o-L	Mono Crystalline 132 Wp
	SF-07o-R	Mono Crystalline 78 Wp
	SF-07o-L	Mono Crystalline 78 Wp
	SF-08-R	Mono Crystalline 612 Wp
	SF-08-L	Mono Crystalline 612 Wp
	SF-09-R	Mono Crystalline 558 Wp
	SF-09-L	Mono Crystalline 558 Wp
	SF-10-R	Mono Crystalline 495 Wp
	SF-10-L	Mono Crystalline 495 Wp
	SF-11-R	Mono Crystalline 426 Wp
	SF-11-L	Mono Crystalline 426 Wp
	SF-12-R	Mono Crystalline 353 Wp
	SF-12-L	Mono Crystalline 353 Wp
	SF-13-R	Mono Crystalline 274 Wp
	SF-13-L	Mono Crystalline 274 Wp
	SF-14-R	Mono Crystalline 191 Wp
	SF-14-L	Mono Crystalline 191 Wp
	SF-15-R	Mono Crystalline 103 Wp
	SF-15-L	Mono Crystalline 103 Wp
	SG-01i-0	Mono Crystalline 583 Wp
	SG-C1o-0	Mono Crystalline 69 Wp
	SG-C1i-0	Mono Crystalline 583 Wp
	SG-C2o-0	Mono Crystalline 69 Wp
	SG-C2i-0	Mono Crystalline 583 Wp
	SG-01o-R	Mono Crystalline 69 Wp
	SG-01o-L	Mono Crystalline 69 Wp
SG-02o-R	Mono Crystalline 44 Wp	
SG-02o-L	Mono Crystalline 44 Wp	
SG-03o-R	Mono Crystalline 34 Wp	
SG-03o-L	Mono Crystalline 34 Wp	

SG-04o-R	Mono Crystalline 34 Wp
SG-04o-L	Mono Crystalline 34 Wp
SG-05-R	Mono Crystalline 607 Wp
SG-05-L	Mono Crystalline 607 Wp
SG-06-R	Mono Crystalline 583 Wp
SG-06-L	Mono Crystalline 583 Wp
SG-07-R	Mono Crystalline 563 Wp

PV MODULES

Manufacturer name	Product ID	Description
Sunovation	SG-07-L	Mono Crystalline 563 Wp
	SG-08-R	Mono Crystalline 549 Wp
	SG-08-L	Mono Crystalline 549 Wp
	SG-09-R	Mono Crystalline 514 Wp
	SG-09-L	Mono Crystalline 514 Wp
	SG-10-R	Mono Crystalline 485 Wp
	SG-10-L	Mono Crystalline 485 Wp
	SG-11-R	Mono Crystalline 461 Wp
	SG-11-L	Mono Crystalline 461 Wp
	SG-12-R	Mono Crystalline 431 Wp
	SG-12-L	Mono Crystalline 431 Wp
	SG-13-R	Mono Crystalline 402 Wp
	SG-13-L	Mono Crystalline 402 Wp
	SG-14-R	Mono Crystalline 372 Wp
	SG-14-L	Mono Crystalline 372 Wp
	SG-15-R	Mono Crystalline 338 Wp
	SG-15-L	Mono Crystalline 338 Wp
	SG-16-R	Mono Crystalline 304 Wp
	SG-16-L	Mono Crystalline 304 Wp
	SG-17-R	Mono Crystalline 269 Wp
	SG-17-L	Mono Crystalline 269 Wp
	SG-18-R	Mono Crystalline 235 Wp
	SG-18-L	Mono Crystalline 235 Wp
	SG-19-R	Mono Crystalline 201 Wp
	SG-19-L	Mono Crystalline 201 Wp
	SG-20-R	Mono Crystalline 167 Wp
	SG-20-L	Mono Crystalline 167 Wp
	SG-21-R	Mono Crystalline 132 Wp
	SG-21-L	Mono Crystalline 132 Wp
	SG-22-R	Mono Crystalline 103 Wp
	SG-22-L	Mono Crystalline 103 Wp
	SG-23-R	Mono Crystalline 69 Wp
	SG-23-L	Mono Crystalline 69 Wp
	PE-000-0	Mono Crystalline 529 Wp
	ET-T1-00	Mono Crystalline 113 Wp
	ET-T2-00	Mono Crystalline 314 Wp
	ET-T3-17	Mono Crystalline 299 Wp
	ET-T3-17 BI	Mono Crystalline 299 Wp
	ET-T4-17	Mono Crystalline 318 Wp
	ET-T4.1-17	Mono Crystalline 118 Wp
	ET-T4.1-17 BI	Mono Crystalline 201 Wp
ET-T5-17	Mono Crystalline 235 Wp	
ET-T1-00	Mono Crystalline 113 Wp	
ET-T2-00	Mono Crystalline 314 Wp	
ET-T3-16	Mono Crystalline 299 Wp	
ET-T3-16 BI	Mono Crystalline 299 Wp	
ET-T4-16	Mono Crystalline 402 Wp	
Boundary Wall PV-Panel	Mono Crystalline 345 Wp	
Canopy PV-Panel	Mono Crystalline 365 Wp	
EV-Tree PV-Panel	Mono Crystalline 220 Wp	
Sunman (Hong Kong) Limited	SMF160M-6X6	sc-Si 160 Wp
	SMF270M-6X10	sc-Si 270 Wp
	SMF325M-6X12	sc-Si 325 Wp
	SMFXXXF-12X12UW	Mc-Si, xxx=405-440W, in step of 5
	SMFXXXF-6X24UW	Mc-Si, xxx=415-440 W, in step 5
SRP-XXX-6PA	mc-Si (XXX=305-320), in steps of 5	
SRP-XXX-6PB	mc-Si (XXX=225-265), in steps of 5	

SERAPHIM SOLAR SYSTEM CO.,LTD	SRP-XXX-6PA	sc-Si, mc-Si(XXX=320-350),in steps of 5
	SRP-XXX-6PA-HV	sc-Si, mc-Si(XXX=320-350),in steps of 5
	SRP-XXX-6PB	sc-Si, mc-Si(XXX=270-290),in step of 5
	SRP-XXX-6PB-HV	sc-Si, mc-Si(XXX=270-290),in step of 5
	SRP-XXX-6MA	sc-Si, mc-Si(XXX=340-380), instep of 5
	SRP-XXX-6MA-HV	sc-Si, mc-Si(XXX=340-380), instep of 5
	SRP-XXX-6MB	sc-Si, mc-Si(XXX=285-315),in step of 5
	SRP-XXX-6MB-HV	sc-Si, mc-Si(XXX=285-315),in step of 5
	SRP-XXX-BMA-BG	Sc-Si,XXX=420-455 ,525-555 in steps of 5
	SRP-XXX-BMB-BG	Sc-Si,xxx=350-375,440-460,590-605 in steps of 5
	SRP-XXX-BMC-BG	Sc-Si,xxx=305-375,485-505,650-670 in steps of 5
	SRP-XXX-BMD-BG	Sc-Si,xxx=390-415,535-545 in steps of 5
	SRP-XXX-BMA-HV	Sc-Si,XXX=420-455,525-555 in steps of 5
	SRP-XXX-BMA	Sc-Si,XXX=420-455,525-555 in steps of 5
	SRP-XXX-BMB-HV	Sc-Si,XXX=350-375,440-460,590-605 in steps of 5
	SRP-XXX-BMB	Sc-Si,XXX=350-375,440-460,590-605 in steps of 5
	SRP-XXX-BMC-HV	Sc-Si,XXX=305-380,485-505,650-670 in steps of 5
	SRP-XXX-BMC	Sc-Si,XXX=305-380,485-505,650-670 in stpes fo 5
SRP-XXX-BMD-HV	Sc-Si,xxx=390-415,535-545 in steps of 5	
SRP-XXX-BMD	Sc-Si,xxx=390-415,535-545 in steps of 5	

PV MODULES		
Manufacturer name	Product ID	Description

SERAPHIM SOLAR SYSTEM CO.,LTD	SRP-XXX-BPA	sc-Si, mc-Si(XXX=320-355),in step of 5
	SRP-XXX-BPA-HV	sc-Si, mc-Si(XXX=320-355),in step of 5
	SRP-XXX-BPB	sc-Si, mc-Si(XXX=270-295),in step of 5
	SRP-XXX-BPB-HV	sc-Si, mc-Si(XXX=270-295),in step of 5
	SRP-XXX-BMA	sc-Si, mc-Si(XXX=340-380),in step of 5
	SRP-XXX-BMA-HV	sc-Si, mc-Si(XXX=340-380),in step of 5
	SRP-XXX-BMB	sc-Si, mc-Si(XXX=285-315),in step of 5
	SRP-XXX-BMB-HV	sc-Si, mc-Si(XXX=285-315),in step of 5
	SRP-XXX-E11A	sc-Si, mc-Si(XXX=340-380),in step of 5
	SRP-XXX-E11A-HV	sc-Si, mc-Si(XXX=340-380),in step of 5
	SRP-XXX-E11A/SRP-XXX-E11A-HV	sc-Si, mc-Si(XXX=340-380),in step of 5
	SRP-XXX-E11B/SRP-XXX-E11B-HV	sc-Si, mc-Si(XXX=285-315),in step of 5
	SRP-XXX-E01A/SRP-XXX-E01A-HV	sc-Si, mc-Si(XXX=365-410),in step of 5
	SRP-XXX-E01B/SRP-XXX-E01B-HV	sc-Si, mc-Si(XXX=305-340),in step of 5
	SRP-XXX-BPA/SRP-XXX-BPA-HV	sc-Si, mc-Si(XXX=320-355),in step of 5
	SRP-XXX-BPB/SRP-XXX-BPB-HV	sc-Si, mc-Si(XXX=270-295),in step of 5
	SRP-XXX-BMA/SRP-XXX-BMA-HV	sc-Si, mc-Si(XXX=340-380),in step of 5
	SRP-XXX-BMB/SRP-XXX-BMB-HV	sc-Si, mc-Si(XXX=285-315),in step of 5
	SRP-XXX-6PA/SRP-XXX-6PA-HV	sc-Si, mc-Si(XXX=320-350),in step of 6
	SRP-XXX-6PB/SRP-XXX-6PB-HV	sc-Si, mc-Si(XXX=270-290),in step of 7
	SRP-XXX-6MA/SRP-XXX-6MA-HV	sc-Si, mc-Si(XXX=340-380),in step of 8
	SRP-XXX-6MB/SRP-XXX-6MB-HV	sc-Si, mc-Si(XXX=285-315),in step of 9
	SRP-XXX-E11B	sc-Si, mc-Si(XXX=285-315),in step of 5
	SRP-XXX-E11B-HV	sc-Si, mc-Si(XXX=285-315),in step of 5
	SRP-XXX-E01A	sc-Si, mc-Si(XXX=365-410),in step of 5
	/SRP-XXX-E01A-HV	sc-Si, mc-Si(XXX=365-410),in step of 5
	SRP-XXX-E01B	sc-Si, mc-Si(XXX=305-340),in step of 5
	SRP-XXX-E01B-HV	sc-Si, mc-Si(XXX=305-340),in step of 5
	SRP-XXX-6MA	sc-Si (XXX=310-325), in steps of 5
	SRP-XXX-6MB	sc-Si (XXX=265-280), in steps of 5
	SRP-XXX-BMA	sc-Si(XXX=385-415W), in step of 5
	SRP-XXX-BMA-HV	sc-Si(XXX=385-415W), in step of 5
	SRP-XXX-BMB	mc-Si(XXX=320-345W), in step of 5
	SRP-XXX-BMB-HV	mc-Si(XXX=320-345W), in step of 5
	SRP-XXX-BMA-BG	sc-Si, mc-Si (XXX=350-450 and XXX=525-540) , in step of 5W
	SRP-XXX-BMB-BG	sc-Si, mc-Si BG(XXX=290-375 and XXX=440-450) , in step of 5W
	SRP-XXX-BMC-BG	sc-Si, mc-Si ,(XXX=320-375 and XXX=485-495) , in step of 5W
	SRP-XXX-BMD-BG	sc-Si, mc-Si ,(XXX=395-405) , in step of 5W
	SRP-XXX-BMZ-BG	sc-Si, mc-Si (XXX=425-450) , in step of 5W
	SRP-XXX-BMA-HV/ SRP-XXX-BMA	sc-Si, mc-Si (XXX=420-450 and XXX=525-545) , in step of 5W
SRP-XXX-BMB-HV/ SRP-XXX-BMB	sc-Si, mc-Si(XXX=350-375 and XXX=440-450) , in step of 5W	
SRP-XXX-BMC-HV/ SRP-XXX-BMC	sc-Si, mc-Si (XXX=305-380 and XXX=485-495) , in step of 5W	
SRP-XXX-BMD-HV/ SRP-XXX-BMD	sc-Si, mc-Si (XXX=390-405) , in step of 5W	
SRP-XXX-BMZ-HV/ SRP-XXX-BMZ	sc-Si, mc-Si (XXX=425-450) , in step of 5W	
SRP-XXX-BMA-BG	XXX=(420-455 ,525-555), in step of 5W	
SRP-XXX-BMB-BG	XXX=350-375,440-460,590-605 in steps of 5W	
SRP-XXX-BMC-BG	XXX=305-375,485-505,650-670 in steps of 5W	
SRP-XXX-BMD-BG	XXX=390-415,535-545 in steps of 5W	

	SRP-XXX-BMA-HV SRP-XXX-BMA SRP-XXX-BMB-HV SRP-XXX-BMB SRP-XXX-BMC-HV SRP-XXX-BMC SRP-XXX-BMD-HV SRP-XXX-BMD	XXX=420-455,525-555, in steps fo 5W XXX=420-455,525-555, in stpes fo 5W XXX=350-375,440-460,590-605,in steps of 5W XXX=305-380,485-505,650-670,in steps of 5W XXX=305-380,485-505,650-670,in steps of 5W XXX=390-415,535-545,in steps of 5W (XXX=390-415 and XXX=535-545),in steps of 5W (XXX=390-415 and XXX=535-545),in steps of 5W
Shandong Linuo Photovoltaic Hi-tech Co., Ltd	LN260(30) M-4-xxx LN260(30) P-4-xxx	sc-Si, 270 -280 in steps of 5 Mc-Si, 260 -270 in steps of 5
Shanghai Aerospace Automobile Electromechanical Co., Ltd	HT72-156P-XXX HT60-156P-XXX HT72-156M-XXX HT60-156M-XXX	Poly c-Si (XXX=310-330, in steps of 5) Poly c-Si (XXX=260-275, in steps of 5) mono c-Si(XXX=330-345, 355-360 in steps of 5) mono c-Si(XXX=270-310, in steps of 5)

PV MODULES

Manufacturer name	Product ID	Description
Sharp Electronics	NU-RJ XXX	mono c-Si 280 - 285W (in steps of 5W)
	ND-RJ XXX	Poly c-Si 255 - 275W (in steps of 5W)
	ND-RCXXX	poly crystalline 215-310 in steps of 5
	NU-RDXXX	mono crystalline 215-310 in steps of 5
	NU-RCXXX	Poly crystalline 215-310 in steps of 5
	ND-RBxxx	Poly crystalline 245-290 (in steps of 5W)
	NU-SCxxx	Mono crystalline 335-375 (in steps of 5W)
	NQ-RxxxA	256- 260W (in steps of 2W)
	ND-Ahxxx	mono crystalline 285-340 W, in steps of 5
	ND-RKxxx	poly crystalline 235-285W , in steps of 5
	NU-AHxxx	poly crystalline, 285-345W , in steps of 5
	ND-AKxxx	poly crystalline, 235-285W , in steps of 5
	ND-AC275	Poly Crystalline, 275w
	ND-AF330C	Poly Crystalline, 330w
	NU-AC310	Mono Crystalline, 310w
	NU-AF370	Mono Crystalline, 370w
	NU-JC320B	Mono crystalline, 320 W
	NU-JC330	Mono crystalline, 330 W
	NU-JB395	Mono crystalline, 395 W
	NU-JCxxxB	sc-si,xxx=360W
	NU-JCxxx	sc-si, xxx=370 W
	NU-JDxxx	sc-si, xxx=440W
	NU-JDxxx	sc-si, xxx=445W
NU-JD540	Sc-Si xxx=540 W	
NU-JD450	Sc-Si xxx=450 W	
NU-JC365B	Sc-Si xxx=365 W	
NU-JC375	Sc-Si xxx=375 W	
NU-JC400B	Sc-Si xxx=400 W	
NU-JC410	Sc-Si xxx=410 W	
NU-JD450	Sc-Si xxx=450 W	

PV MODULES

Manufacturer name	Product ID	Description
SolarWorld AG	Sunmodule Plus SW XXX poly	Mc-Si, 260 W
	Sunmodule Plus SW XXX mono	sc-Si, 270, 290, 295W
	Sunmodule SW XXX XL mono	sc-Si, 340, 345W
	Sunmodule Protect SW 280 mono black	Mono-Crystalline 280 Watt peak 0 / + 5 Wp
	Sunmodule Plus SW 260 poly	Poly-Crystalline Si 260 Watt peak 0/+ 5 Wp
	Sunmodule Plus SW 265 poly	Poly-Crystalline Si 265 Watt peak 0/+ 5 Wp
	Sunmodule Plus SW 285 mono	Mono-Crystalline Si 285 Watt peak 0 / + 5 Wp
	Sunmodule Plus SW 285 mono black	Mono-Crystalline Si 285 Watt peak 0 / + 5 Wp
	Sunmodule Plus SW 290 mono black	Mono-Crystalline Si 290 Watt peak 0 / + 5 Wp
	Sunmodule Plus SW 300 mono	Mono-Crystalline Si 300 Watt peak 0 / + 5 Wp
	Sunmodule SW 325 XL mono	Mono-Crystalline Si 325 Watt peak 0 / + 5 Wp
	Sunmodule SW 335 XL mono	Mono-Crystalline Si 335 Watt peak 0 / + 5 Wp
	Sunmodule SW 340 XL mono	Mono-Crystalline Si 340 Watt peak 0 / + 5 Wp
	Sunmodule SW 345 XL mono	Mono-Crystalline Si 345 Watt peak 0 / + 5 Wp
	Sunmodule SW 350 XL mono	Mono-Crystalline Si 350 Watt peak 0 / + 5 Wp
Sunmodule Bisun SW 280 duo	Mono-Crystalline Si 280 Watt peak 0 / + 5 Wp	
Sunmodule Bisun SW 325 duo	Mono-Crystalline Si 325 Watt peak 0 / + 5 Wp	
SOLARWATT GmbH	Vision 60P	Poly-Crystalline Si (275-285 Wp, in step of 5)
	Vision 60P style	Poly-Crystalline Si (265 Wp , 270 Wp)
	Vision 60M style	Mono-Crystalline Si (280-295 Wp), in step of 5
	Vision 60M high power	Mono-Crystalline Si (295 Wp, 300 Wp)
Solar Frontier	SFXXX-S	CIGS 130-170W

Solar Leading Group Limited	JKMXXXP-60 JKMXXXP-72 JKMXXXM-60 JKMXXXM-72	mc-si 245-265W, in steps of 5 mc-Si 295-320W, in steps of 5 sc-Si 255-280W, in steps of 5 sc-Si 300-320W, in steps of 5
Solar One	S1-xxx-72MH S1-xxx-72M S1-xxx-60M	mc-si ,xxx=360-390W , in step of 5 mc-si,xxx=360-390W , in step of 5 mc-si,xxx=00-330W, in step of 5
Solar Solution (AEG)	AS-P368 - xxx AS-P548 - xxx AS-P608 - xxx AS-P728 - xxx	c-Si, 140-170 Wp, in steps of 5 Wp c-Si, 210-250 Wp, in steps of 5 Wp c-Si, 235-280 Wp, in steps of 5 Wp c-Si, 285-335 Wp, in steps of 5 Wp
Solon International LL FZE	Solon Blue/Black 220/16 Solon Blue/black 230/07 Solon Black 230/02 Solon Blue 270/11 Solon Blue 270/12 Solon Blue 270/17 Solon Black 280/11 Solon Black 280/12 Solon Black 280/17	sc-Si, mc-Si 225 - 275 WP sc-Si, mc-Si 225-275 WP sc-Si, mc-Si 225-275 WP sc-Si, mc-Si 300-330 WP sc-Si, mc-Si 300-330 WP sc-Si, mc-Si 300-330 WP sc-Si, mc-Si 300-330 WP sc-Si, mc-Si 300-330 WP sc-Si, mc-Si 300-330 WP
lo	STO-XXXX STL-XXXX	CIGS 120-160W, in steps of 5 - +2% CIGS 120-160W, in steps of 5 - +2%
SunPower (Maxeon Co-Brand)	SPR-X21-345-COM SPR-E20-435 COM SPR-E20-327 COM SPR-P17-3xx COM SPR-E20-327 SPR-P19-xxx-COM PVC385 MP SPR-MAX2-xxx-COM SPR-MAX2-xxx SPR-MAX3-xxx-COM SPR-MAX3-xxx SPR-P19-xxx-BLK SPR-P3-xxx-COM SPR-P3-xxx-COM-1500 SPR-P3-xxx-BLK SPR-P3-xxx-UPP SPR-P3-xxx-COM-1500 SPR-MAX5-xxx-COM SPR-MAX5-xxx SPR-MAX3-xxx SPR-P5-xxx-UPP SPR-P6-535-COM-M-BF SPR-P6-540-COM-M-BF SPR-P6-545-COM-M-BF SPR-P6-550-COM-M-BF SPR-MAX3-xxx-BLK SPR-MAX6-xxx-BLK SPR-MAX6-xxx-COM SPR-MAX6-xxx	Back Contact Cell Mono Crystalline Maxeon) 327- 450W Back Contact Cell Mono Crystalline Maxeon) 327- 450W Back Contact Cell Mono Crystalline Maxeon) 327- 450W mc-si (xxx=315-85 in steps of 1, 498 cells) Back Contact Cell Mono Crystalline Maxeon) 327- 450W Monocrystalline, 380-405, in step of 1 Sc-Si, 385 W Mono crystalline ,xxx= 340 - 360, in step of 5 Mono crystalline ,xxx= 340 - 360, in step of 5 Mono crystalline ,xxx= 370-400, in step of 5 Mono crystalline ,xxx= 370-400, in step of 5 Mono crystalline ,xxx=310-335, in tstep of 5 Mono crystalline ,xxx= 400-415 W in step of 5 W Mono crystalline ,xxx= 400-415 W in step of 5 W Mono crystalline ,xxx= 315-335 W in step of 5 W monocrystalline,xxx=475-500W , in step of 5W monocrystalline,xxx=420 monocrystalline,xxx=430-450W , in stepof 5W monocrystalline,xxx=390-415W , in step of 5W monocrystalline,xxx=415-430W , in step of 5W monocrystalline,xxx=530W , in step of 5W monocrystalline,xxx=535W , in step of 5W monocrystalline,xxx=540W , in step of 5W monocrystalline,xxx=545W , in step of 5W monocrystalline,xxx=550W , in step of 5W monocrystalline,xxx=400-425W , in step of 5W monocrystalline,xxx=415-425W , in step of 5W monocrystalline,xxx=470,475W , in step of 5W monocrystalline,xxx=420,425,435W , in step of 5W
PV MODULES		
Manufacturer name	Product ID	Description
Solibro GmbH PV module	SL2 SL2-F	CIGS 125-150 CIGS 125-150
Sunset Energietechnik GmbH	ASxxx/72 ASxxx/60 ASxxx/50 ASxxx/36 PXxxx/72 PXxxx/60 PXxxx/50 PXxxx/36	250-345W in steps of 5 210-290W in steps of 5 180-235W in steps of 5 130-170W in steps of 5 240-340W in steps of 5 205-285W in steps of 5 175-235W in steps of 5 130-170W in steps of 5
SUNSTYLE INTERNATIONAL SAS	SUNSTYLE M58 SUNSTYLE M65 SUNSTYLE M75 SUNSTYLE M90 SUNSTYLE M115	sc-si , 58Wp sc-Si, 65 W +/- 8W sc-Si, 73 W +/- 8W sc-Si, 90 W +/- 8W sc-Si, 114W +/- 6W
Guhayr Alkayum Optoelectronic Science & Technology Co., Ltd	SK6612M-xxx SK6610M-xxx	Mono-crystalline Silicon, 340W-375W in steps of 5 Mono-crystalline Silicon, 280W-315W in steps of 5

Suzhou Arkome Optronics Science & Technology Co., Ltd	SK6612P-xxx SK6610P-xxx	Poly-crystalline Silicon,320W-350W in steps of 5 Poly-crystalline Silicon,265W-290W in steps of 5
Swelect Energy Systems Ltd	HST72F320P HST72F345P HST72F340M HST72F365M	sc-Si , 320WP- 345WP sc-Si ,320WP-345WP mc-Si,340Wp – 365Wp mc-Si,340Wp – 365Wp
Tata Power Solar Modules	TS XXX SBZ TPXXX SBZ TS XXX XBZ TP XXX XBZ TS XXX XBZ TP XXX XBZ TS XXX MBZ TP XXX MBZ TP XXX LBZ TS XXX SGZ TP XXX SGZ TS XXX XGZ TP XXX XGZ TS XXX XGZ TP XXX XGZ TS XXX MGZ TP XXX MGZ TP XXX LGZ TC XXX	130-160 W in steps of 5, 36 cells 130-160 W in steps of 5, 36 cells 175-215 W in steps of 5, 48 cells 175-215 W in steps of 5, 48 cells 200-245 W in steps of 5, 54 cells 200-245 W in steps of 5, 54 cells 220-270 W in steps of 5, 60 cells 220-270 W in steps of 5, 60 cells 265-325 W in steps of 5, 72 cells 155-170 W in steps of 5, 36 cells 155-170 W in steps of 5, 36 cells 185-225 W in steps of 5, 48 cells 185-225 W in steps of 5, 48 cells 210-255 W in steps of 5, 54 cells 210-255 W in steps of 5, 54 cells 230-285 W in steps of 5, 60 cells 230-285 W in steps of 5, 60 cells 280-340 W in steps of 5, 72 cells 295-320 W in steps of 5, 72 cells
TommaTech GmbH	TTxxx-60M TTxxx-72M TTxxx-54M TTxxx-36M TTxxx-72P TTxxx-60P TTxxx-54P TTxxx-36P	Mono Crystalline, xxx=235-290, in step of 5 Mono Crystalline, xxx=285-350, in step of 5 Mono Crystalline, xxx=210-260, in step of 5 Mono Crystalline, xxx=140-175, in step of 5 Poly Crystalline, xxx=285-335, in step of 5 Poly Crystalline, xxx=235-280, in step of 5 Poly Crystalline, xxx=210-250, in step of 5 Poly Crystalline, xxx=140-170, in step of 5
Trina Solar	TSM-xxxPDG5 TSM-xxxPDG5.50 TSM-xxx PEG5 TSM-xxx PEG5.50 TSM-xxxPEG14(II) TSM-xxxDE15M(II) TSM-xxxDD05A(II) TSM-DD014A(II) TSM-DEG5(II) TSM-xxxPD14 TSM-DEG14(II) TSM-xxxDEG14C.07 (II) TSM-xxxDEG5C.07 (II) TSM-xxxDE05H(II) TSM-xxxPD14 TSM-xxxPEG14H TSM-xxxDEG14H(II) TSM-xxxDEG5H(II) TSM-xxxPEG5H(II) TSM-xxxDE14H(II) TSM-xxxPE05H(II) TSM-xxxDE15H (II) TSM-xxxPE14A TSM-DE06M(II) TSM-DEG6H20(II) TSM-DE15M(II) TSM-xxxPE15H.TO(II) TSM-xxxPE15M(II) TSM-xxxDEG17M.20(II) TSM-xxxDEG17MC.20(II) TSM-xxxDE17M(II) TSM-xxxDE17M.TO(II) TSM-DEG6M.20(II)	Poly c-Si 230-290 W,in steps of 5 Poly c-Si 230-290W, in steps of 5 Poly c-Si 230-290W, in steps of 5 Poly c-Si 230-290W, in steps of 5 mc-Si, 315-340 W, in step of 5 ms-Si, 355-420Wp, insteps of 5 mono c-Si, 270-315W, in step of 5 mono c-Si, 325-375W, in step of 5 mc-Si, 260-315W, in step of 5 mc-Si 325-345, in step of 5 mc-Si, 325-375W, in step of 5 mc-Si 345-365 Wp, in step of 5 mc-Si 290-310 Wp, in step of 5 mc-Si 285-315, in step of 5 mc-Si, 320 watt mc-Si, 330-345 W, in step of 5 W mc-Si, 350-385 W, in step of 5 mc-Si, 295-320 W, in step of 5 mc-Si, 270-290 W, in step of 5 mc-Si, 355-395 W, in step of 5 mc-Si, 275-290 W, in step of 5 mc-Si, xxx=335-420, in step of 5 mc-Si, 320-340 W, in step of 5 mc- Si, 325-340W, in step of 5 mc- Si, 315-335W, in step of 5 mc- Si, 390-410W, in step of 5 mc-Si, xxx= 340-375 W in step of 5 W sc-Si, xxx= 385-405 W in step of 5 W sc-Si, xxx= 430-450 W in step of 5 W sc-Si, xxx= 430-445 W in step of 5 W sc-Si, xxx= 430-450 W in step of 5 W sc-Si, xxx= 430-450 W in step of 5 W sc-Si, 325-340 W in step of 5 W

	TSM-DEG15M.20(II) TSM-DEG15MC.20(II) TSM-DE08M(II) TSM-DE18M(II) TSM-DEG18MC.20(II) TSM-DEG6MC.20(II) TSM-DE19 TSM-DE20 TSM-DEG19C.20 TSM-DEG20C.20 TSM-DE09.05 TSM-DE09.08 TSM-DE09 TSM-DEG21C.20 TSM-DE21 TSM-DE18M(II)	sc-Si, 390-410 W in step of 5 W sc-Si, 390-410 W in step of 5 W mono-Si ,xxx=360-375 w, in step of 5W mono-Si,xxx=480-500 W , in step of 5W mono-Sixxx=475-500 W , in step of 5W mono-si,xxx=300-345 W , in step of 5W mono-si,xxx=530-555 , in step of 5W mono-si,xxx=575-610 , in step of 5W mono-si,xxx=525-550 , in step of 5W mono-si,xxx=575-605 , in step of 5W mono-si,xxx=380-405 W , in step of 5W mono-si,xxx=380-405 W , in step of 5W mono-si,xxx=380-405 W , in step of 5W mono-si,xxx=640-675W , in step of 5 mono-si,xxx=645-670 W, in step of 5W mono-Si,xxx=505-515W in step of 5W
Tenka Solar	TKA-XXXM-108, XXX TKA-XXXM-144, XXX TKA-XXXM-132, XXX TKA-XXXM-144, XXX TKA-XXXM-156, XXX TKA-XXXM-108, XXX TKA-XXXM-144, XXX TKA-XXXM-132, XXX TKA-XXXM-144, XXX TKA-XXXM-156, XXX TKA-XXXM-108BF, XXX TKA-XXXM-144BF, XXX TKA-XXXM-132BF, XXX TKA-XXXM-144BF, XXX TKA-XXXM-156BF, XXX	Sc-Si, xxx=395-410 W, in step of 5W Sc-Si, xxx= 420-460 W, in step of 5W Sc-Si, xxx=-480- 500 W, in step of 5W Sc-Si, xxx=525-545 W, in step of 5W Sc-Si, xxx=565-595 W, in step of 5W Sc-Si XXX = 395 to 415 Sc-Si XXX = 435 to 460 Sc-Si XXX = 480 to 500 Sc-Si XXX = 525 to 550 Sc-Si XXX = 565 to 600 Sc-Si XXX= 395 to 415 Sc-Sixxx=435 to 460 Sc-Si xxx=480 to 500 Sc-Si xxx=525 to 550 Sc-Si xxx= 565 to 600
TSMC Solar Europe GmbH	TS-xxxC2 TS-xxxC1	CIGS 140-150W, in steps of 5 CIGS 140/150/155/165W
Upsolar Global CO,Ltd	Up-MxxxM Up-MxxxM Up-MxxxP Up-MxxxP	sc-Si 260-325W, in step of 5 sc-Si 310-390W, in step of 5 mc-Si 250-305W, instep of 5 mc-Si 300-370W, instep of 5
PV MODULES		
Manufacturer name	Product ID	Description
UAB Viasolis	PRIME144M PRIME30M PRIME36M PRIME40M PRIME42M PRIME48M PRIME50M PRIME54M PRIME60M PRIME66M PRIME72M PRIME120M	Sc-si , xxx=430-460W , in step of 5W Sc-si, xxx=135-165W, in step of 5W Sc-si, xxx=165-180W, in step of 5W Sc-si, xxx=185-190W, in step of 5W Sc-si, xxx=195-215W, in step of 5W Sc-si, xxx=220-260W, in step of 5W Sc-si, xxx=260-275W, in step of 5W Sc-si, xxx=270-295W, in step of 5W Sc-si, xxx=295-330W, in step of 5W Sc-si, xxx=335-355W, in step of 5W Sc-si, xxx=355-395W, in step of 5W Sc-si, xxx=360-380W, in step of 5W
Ulicia Solar Systems	UL-xxxM-120 UL-xxxM-144	mono-si, xxx=375-380 W, in steps of 5W mono-si,xxx= 540 - 545, in steps of 5W
Visaka Industries	VIL-370AM VIL-375AM	xxx=370 in sptes of 5W xxx=375 in sptes of 5W
Viessmann Werke GmbH &Co	VITOVOLT 300 Pxxx PSEB	mc-Si 250 – 260 W, in steps of 5 W
VIKRAM SOLAR PRIVATE LIMITED	ELDORA VSP.36.AAA.03 ELDORA VSP.72.AAA.03 ELDORA VSPB.60.AAA.03 ELDORA VSPB.72.AAA.03 ELDORA VSPBB.60.AAA.03 ELDORA VSP.60.AAA.03 ELDORA VSP.72.AAA.03.04 SOMERA VSM.72.AAA.03.04 ELDORA VSP.72.AAA.05 ELDORA VSPBB.72.AAA.03.04 SOMERA VSMHBB.60.AAA.03.04	sc-Si 137-168 Wp sc-Si 275-335 Wp sc-Si 228wp-279wp sc-Si 275Wp-335wp sc-Si 228wp-279wp sc-si 240-270W mc-Si AAA=285-350Wp sc-Si AAA=310-380WP sc-Si, AAA =285-350W , in step of 5W sc-Si, AAA=285-350W ,in step of 5W sc-Si,270-330W ,in step of 5
WAAREE Energies Ltd.	WS-XXX WS-XXX	mc-Si 230-270 W, in steps of 5 mc-Si 280-320 W, in steps of 5
	STPxxx-20/Wem	mc-si xxx= 210-290 Wp

WUXI Suntech Power Co, Ltd	STPxxx-24/Vem STPxxxS-20/Wem STPxxxS-24/Vem STPXXX-20/WFW STPXXX-24/VFW STPXXXS-20/WFW STPXXXS-24/VFW STPXXX-20/WFH STPXXX-24/VFH STPXXXS-A72/Pfh+ STPXXXS-A60/Wfh STPXXXS-A72/Vfh STPXXXS-B72/Vnh STPXXXS-B60/Wnh STPXXXS-B72/Pnh+ STPXXXS-B60/Pnh+ STPXXXS-C72/Vmh	mc-si xxx= 220-350 Wp sc-si xxx=210-310 Wp sc-si xxx= 220-370 Wp Poly-crystalline, XXX=255W-285W Poly-crystalline, XXX=290W-350W Mono-crystalline, XXX=265W-310W Mono-crystalline, XXX=305W-370W Poly-crystalline, half cell, XXX=250W-305W Poly-crystalline, half cell XXX=300W-365W P-type Bifacial,370W-410W Mono-crystalline, XXX= 300-335 W in step of 5 W Mono-crystalline, XXX=360-405 W in step of 5 W Monocrystalline,xxx=415W-445W Monocrystalline,xxx=345W-370W P-type Bifacial,xxx=425W-450W P-type Bifacial,xxx=350W-375W sc-si, xxx=xxx=525W - 550W , in step of 5W
WUXI SUNKET New Energy Technology Co; Ltd	SKTxxxM10 SKTxxxM10 SKTxxxM10 SKTxxxM10 SKTxxxM10 SKTxxxM10 SKTxxxM10 SKTxxxM10 SKTxxxM10 SKTxxxM10 SKTxxxM10 SKTxxxM10 SKTxxxM10 SKTxxxM10 SKTxxxM10 SKTxxxM10 SKTxxxM10	sc-si,xxx=560-605, in steps of 5 sc-si,xxx=520-555, in steps of 5 sc-si,xxx=475-510, in steps of 5 sc-si,xxx=430-465, in steps of 5 sc-si,xxx=390-415, in steps of 5 sc-si,xxx=345-370, in steps of 5 sc-si,xxx=300-325, in steps of 5 sc-si,xxx=260-280, in steps of 5 sc-si,xxx=215-230, in steps of 5 sc-si,xxx=175-185, in steps of 5 sc-si,xxx=150-160, in steps of 5 sc-si,xxx=130-140, in steps of 5 sc-si,xxx=110 and 115 sc-si,xxx=095 and 100 sc-si,xxx=065-070 , in step of 5W sc-si,xxx=50
WeCo Italy Srl	WE-xxx/72P WE-xxx/60P WE-xxx/54P	Poly-crystalline xxx=310-370W in step of 20 W Poly-crystalline xxx=230 Wp, 270-280 Wp in step of 5 W Poly-crystalline xxx=255W
WeCo Italy Srl	AS-6M-xxxW AS-6M30-xxxW AS-6M27-xxxW AS-6M18-xxxW AS-5M-xxxW AS-5M18-xxxW AS-6P-xxxW AS-6P30-xxxW AS-6P27-xxxW AS-6P18-xxxW AS-6M30-BHC AS-6M30-HC AS-6M120-HC As-6M144-HC As-6M-BHC AS-6M-HC	mono-crystalline 325-365, in increment of 5 mono-crystalline 275-305, in increment of 5 mono-crystalline 245-275, in increment of 5 mono-crystalline 135-165, in increment of 5 mono-crystalline 175-210, in increment of 5 mono-crystalline 90-105, in increment of 5 Poly-crystalline 270-345, in increment of 5 Poly-crystalline 265-290, in increment of 5 Poly-crystalline 235-260, in increment of 5 Poly-crystalline135-165, in increment of 5 mc-si,xxx=350-380W , in steop of 5W mc-si,xxx=350-380W , in steop of 5W mc-si,xxx=355-370W , in step of 5W mc-si,xxx=425-445W , in step of 5W mc-si,xxx=420-465W , in step of 5W mc-si,xxx=370-410W , in stepof 5W
Yingli Solar	YLxxxP-29b YLxxxP-35b	multi 240-260kW in steps of 5 multi 290-310kW in steps of 5
Yingli Energy (China) Company Limited	YLXXCG2536F-1 YLXXCG25360F-1 YLXXD-36b YLXXD-30b YLXXP-29b 1500v YLXXP-35b 1500v YLXXP-35b YLXXP-29b YL270C-30b YI-xxxD-44E 1/2 YI-xxxD-49E 1/2 YI-xxxDF72 E/2 YI-xxxDF66 E/2	sc-si 310-375 W, in steps of 5 sc-si 260-310 W, in steps of 5 sc-si 340-390 W, in steps of 5 sc-si 280-325 W, in steps of 5 sc-si 275-305 W, in steps of 5 sc-si 330-365 W, in steps of 5 sc-si 310-350 W, in steps of 5 sc-si 260-290 W, in steps of 4 sc-si 270. sc-si, xxx=515-545W , in step of 5W sc-si, xxx = 475-495 W , in step of 5W sc-si, xxx=510-545W , in step of 5W sc-si, xxx=470-495W , in step of 5W

Zhejiang G&P New Energy Technology Co, Ltd	GPPxxx(72)	Crystalline Silicion , 285-340 in Step of 5
Zhejiang Trunsun Solar Co., Ltd	TSPxxx -72	mc-Si 315-345 W, in Steps of 5
	TSPxxx -60	mc-Si 255-285 W, in Steps of 5
PV MODULES		
Manufacturer name	Product ID	Description
Zhejiang Xiongtai Photovoltaic Technology Co.	XTM6-36-XXX	sc-si 140-160 W, in steps of 5
	XTM6-48-XXX	sc-si 200-220 W, in steps of 5
	XTM6-54-XXX	sc-si 220-250 W, in steps of 5
	XTM6-60-XXX	sc-si 250-265 W, in steps of 5
	XTM6-72-XXX	sc-si 290-310 W, in steps of 5
	XTP6-36-XXX	mc-si 240-260 W, in steps of 5
	XTP6-48-XXX	mc-si 240-260 W, in steps of 5
	XTP6-54-XXX	mc-si 240-260 W, in steps of 5
Suzhou Talesun Solar Technologies Co., Ltd	XTP6-60-XXX	mc-si 240-260 W, in steps of 5
	XTP6-72-XXX	mc-si 290-305 W, in steps of 5
	TP672M-xxx	sc-Si 275-390 W,in steps of 5
	TP672M(H)-xxx	sc-Si 300-390 W,in steps of 5
	TP6H72M-xxx	sc-Si 335-390 W,in steps of 5
	TP6H72M(H)-xxx	sc-Si 335-390 W,in steps of 5
	TP660M-xxx	sc-Si 230-325 W,in steps of 5
	TP660M(H)-xxx	sc-Si 250-325 W,in steps of 5
	TP6H60M-xxx	sc-Si280-325 W,in steps of 5
	TP6H60M(H)-xxx	sc-si 280-325 W, in steps of 5
	TP672P-xxx	mc-Si 285-360 W,in steps of 5
	TP672P(H)-xxx	mc-Si 285-360 W,in steps of 5
	TP6H72P-xxx	mc-Si 300-360 W,in steps of 5
	TP6H72P(H)-xxx	mc-Si 300-360 W,in steps of 5
	TP660P-xxx	mc-Si 230-300 W,in steps of 5
	TP660P(H)-xxx	mc-Si 235-300 W,in steps of 5
	TP6H60P-xxx	mc-Si 250-300 W,in steps of 5
	TP7F60M	mc-Si xxx=445-460W, in step of 5
	TP6L60M	mc-Si xxx=360-380W, in step of 5
	TP6L60M(H)	mc-Si xxx=360-380W, in step of 5
	TP6L72M	mc-Si xxx=435-455W, in step of 5
	TP6L72M(H)	mc-Si xxx=435-455W, in step of 5
	TP7F54M(H)	mc-Si xxx=395-410W, in step of 5
	TP7F60M (H)	mc-Si xxx=445-460W, in step of 5
	TP7F66M	mc-Si xxx=485-505W, in step of 5
	TP7F66M(H)	mc-Si xxx=485-505W, in step of 5
	TP7F72M	mc-Si xxx=530-550W, in step of 5
	TP7F72M (H)	mc-Si xxx=530-550W, in step of 5
TP7F54M	mc-Si xxx=395-410W, in step of 5	
TTP7F78M	Sc-Si xxx=575-595W, in step of 5	
TP7F78M (H)P	mc-Si xxx=575-595W, in step of 5	
TP6L60M(H)-375W	Mc-Si,XXX= 375, in step of 5W	
TP6L72M(H)-450W	Mc-Si,XXX= 450, in step of 5W	
TP7F72M(H)-545W	Mc-Si,XXX= 545, in step of 5W	
	ZXM6-72-xxx/M	Mono-crystalline Silicon, xxx=270-320 W, 340-395 W in steps of 5
	ZXM6-60-xxx/M	Mono-crystalline Silicon,xxx=230-270 W, 280-330 W in steps of 5
	ZXM6-54-xxx/M	Mono-crystalline Silicon,xxx=200-240W, in steps of 5
	ZXP6-72-xxx/P	Poly-crystalline Silicon,xxx=265-355W, in steps of 5
	ZXP6-60-xxx/P	Poly-crystalline Silicon,xxx=220-295W, in steps of 5
	ZXP6-54-xxx/P	Poly-crystalline Silicon,xxx=200-235W, in steps of 5
	ZXM6-T60-xxx/M	Mono-crystalline Silicon,xxx= 300-315W in steps of 5
	ZXM6-T72-xxx/M	Mono-crystalline Silicon,xxx=360-380W in steps of 5
	ZXM6-TLD72-xxx/M	Mono-crystalline Silicon,xxx=360-385W in steps of 5
	ZXM6-TLD60-xxx/M	Mono-crystalline Silicon,xxx=300-320W in steps of 5
	ZXM6-LD72-xxx/M	Mono-crystalline Silicon,xxx=340-395W in steps of 5
	ZXM6-LD60-xxx/M	Mono-crystalline Silicon,xxx= 280-330W in steps of 5
	ZXP6-T72-xxx/P	Poly-crystalline Silicon,xxx=330-350W in steps of 5
	ZXP6-T60-xxx/P	poly-crystalline Silicon,xxx=275-290W in steps of 5
	ZXP6-TLD72-xxx/P	poly-crystalline Silicon,xxx=320-335W in steps of 5
	ZXP6-TLD60-xxx/P	poly-crystalline Silicon,xxx=270-280W in steps of 5
	ZXP6-LD72-xxx/P	poly-crystalline Silicon,xxx=315-355W in steps of 5
	ZXP6-LD60-xxx/P	Poly-crystalline Silicon,xxx=260-295W in steps of 5
	ZXM6-66-xxx/M	Mono-crystalline Silicon, xxx= 310-360 W in step of 5 W
	ZXM6-H144-xxx/M	Mono-crystalline Silicon, xxx= 335-405 W in step of 5 W
ZXM6-P144-xxx/M	Mono-crystalline Silicon, xxx= 335-405 W in step of 5 W	

ZNSHINE PV-TECH Co., Ltd

ZXM6-H132-xxx/M
ZXM6-P132-xxx/M
ZXM6-H120-xxx/M
ZXM6-P120-xxx/M
ZXM6-LDD72-xxx/M
ZXM6-LDD60-xxx/M
ZXM6-LD66-xxx/M
ZXM6-HLD144-xxx/M
ZXM6-PLD144-xxx/M
ZXM6-HLD132-xxx/M
ZXM6-PLD132-xxx/M
ZXM6-HLD120-xxx/M
ZXM6-PLD120-xxx/M
ZXP6-66-xxx/P
ZXP6-H144-xxx/P
ZXP6-P144-xxx/P
ZXP6-H132-xxx/P
ZXP6-P132-xxx/P
ZXP6-H120-xxx/P
ZXP6-P120-xxx/P
ZXP6-HLD144-xxx/P
ZXM6-NH156-xxx/M
ZXM6-NH144-xxx/M
ZXM6-NH132-xxx/M
ZXM6-NH120-xxx/M
ZXM6-NHDB156-xxx/M
ZXM6-NHDB144-xxx/M
ZXM6-NHDB132-xxx/M
ZXM6-NHDB120-xxx/M
ZXM7-SH156-xxx/M
ZXM7-SP156-xxx/M
ZXM7-SH144-xxx/M
ZXM7-SP144-xxx/M
ZXM7-SH132-xxx/M
ZXM7-SP132-xxx/M
ZXM7-SH120-xxx/M
ZXM7-SP120-xxx/M
ZXM7-SH108-xxx/M
ZXM7-SP108-xxx/M
ZXM7-SHDB156-xxx/M
ZXM7-SPDB156-xxx/M
ZXM7-SHDB144-xxx/M
ZXM7-SPDB144-xxx/M
ZXM7-SHDB132-xxx/M
ZXM7-SPDB132-xxx/M
ZXM7-SHDB120-xxx/M
ZXM7-SPDB120-xxx/M
ZXM7-SHDB108-xxx/M
ZXM7-SPDB108-xxx/M
ZXM8-SH150-xxx/M
ZXM8-SP150-xxx/M
ZXM8-SH140-xxx/M
ZXM8-SP140-xxx/M
ZXM8-SH130-xxx/M
ZXM8-SP130-xxx/M
ZXM8-SH120-xxx/M
ZXM8-SP120-xxx/M
ZXM8-SH90-xxx/M
ZXM8-SP90-xxx/M
ZXM6-NHLDD144-xxx/M
ZXM6-NHLDD132-xxx/M
ZXM6-NHLDD120-xxx/M
ZXM6-NHLD144-xxx/M
ZXM6-NHLD132-xxx/M
ZXM6-NHLD120-xxx/M
ZXM7-SPLDD144-xxx/M
ZXM7-SHLDD144-xxx/M
ZXM7-SPLDD132-xxx/M

Mono-crystalline Silicon, xxx= 310-370 W in step of 5 W
Mono-crystalline Silicon, xxx= 310-370 W in step of 5 W
Mono-crystalline Silicon, xxx= 280-335 W in step of 5 W
Mono-crystalline Silicon, xxx= 280-335 W in step of 5 W
Mono-crystalline Silicon, xxx= 370-380 W in step of 5 W
Mono-crystalline Silicon, xxx= 310-315 W in step of 5 W
Mono-crystalline Silicon, xxx= 310-360 W in step of 5 W
Mono-crystalline Silicon, xxx= 335-405 W in step of 5 W
Mono-crystalline Silicon, xxx= 335-405 W in step of 5 W
Mono-crystalline Silicon, xxx= 310-370 W in step of 5 W
Mono-crystalline Silicon, xxx= 310-370 W in step of 5 W
Mono-crystalline Silicon, xxx= 280-335 W in step of 5 W
Mono-crystalline Silicon, xxx= 280-335 W in step of 5 W
Poly-crystalline Silicon, xxx= 290-325 W in step of 5 W
Poly-crystalline Silicon, xxx= 310-370 W in step of 5 W
Poly-crystalline Silicon, xxx= 310-370 W in step of 5 W
Poly-crystalline Silicon, xxx= 285-340 W in step of 5 W
Poly-crystalline Silicon, xxx= 285-340 W in step of 5 W
Poly-crystalline Silicon, xxx= 260-305 W in step of 5 W
Poly-crystalline Silicon, xxx= 260-305 W in step of 5 W
Poly-crystalline Silicon, xxx= 310-370 W in step of 5 W
Mono-crystalline Silicon,xxx=420-440,455-495
Mono-crystalline Silicon,xxx=390-410, 420-455
Mono-crystalline Silicon,xxx=385-415,in steps of 5
Mono-crystalline Silicon,xxx=350-380,in steps of 5
Mono-crystalline Silicon,xxx=455-495, in steps of 5
Mono-crystalline Silicon,xxx=420-455,in steps of 5
Mono-crystalline Silicon,xxx=385-415,in steps of 5
Mono-crystalline Silicon,xxx=350-380,in steps of 5
Mono-crystalline Silicon,xxx=565-600,in steps of 5
Mono-crystalline Silicon,xxx=565-600,in steps of 5
Mono-crystalline Silicon,xxx=525-550, in steps of 5
Mono-crystalline Silicon,xxx=525-550,in steps of 5
Mono-crystalline Silicon,xxx=480-505,in steps of 5
Mono-crystalline Silicon,xxx=480-505,in steps of 5
Mono-crystalline Silicon,xxx=435-460,in steps of 5
Mono-crystalline Silicon,xxx=435-460,in steps of 5
Mono-crystalline Silicon,xxx=395-415,in steps of 5
Mono-crystalline Silicon,xxx=395-415,in steps of 5
Mono-crystalline Silicon,xxx=565-600,in steps of 5
Mono-crystalline Silicon,xxx=525-550, in steps of 5
Mono-crystalline Silicon,xxx=525-550,in steps of 5
Mono-crystalline Silicon,xxx=480-505,in steps of 5
Mono-crystalline Silicon,xxx=480-505,in steps of 5
Mono-crystalline Silicon,xxx=435-460,in steps of 5
Mono-crystalline Silicon,xxx=435-460,in steps of 5
Mono-crystalline Silicon,xxx=395-415,in steps of 5
Mono-crystalline Silicon,xxx=395-415,in steps of 5
Mono-crystalline Silicon,xxx=480-515,in steps of 5
Mono-crystalline Silicon,xxx=480-515,in steps of 5
Mono-crystalline Silicon,xxx=450-480,in steps of 5
Mono-crystalline Silicon,xxx=450-480,in steps of 5
Mono-crystalline Silicon,xxx=420-445,in steps of 5
Mono-crystalline Silicon,xxx=420-445,in steps of 5
Mono-crystalline Silicon,xxx=385-410,in steps of 5
Mono-crystalline Silicon,xxx=385-410,in steps of 5
Mono-crystalline Silicon,xxx=290-310,in steps of 5
Mono-crystalline Silicon,xxx=290-310,in steps of 5
Mono-crystalline Silicon,xxx=420-455,in steps of 5
Mono-crystalline Silicon,xxx=385-415,in steps of 5
Mono-crystalline Silicon,xxx=350-380,in steps of 5
Mono-crystalline Silicon,xxx=420-455,in steps of 5
Mono-crystalline Silicon,xxx=385-415,in steps of 5
Mono-crystalline Silicon,xxx=320-340,350-375, in steps of 5
Mono-crystalline Silicon,xxx=520-550,in steps of 5
Mono-crystalline Silicon,xxx=520-550,in steps of 5
Mono-crystalline Silicon,xxx=480-505,in steps of 5

	ZXM7-SHLDD132-xxx/M	Mono-crystalline Silicon,xxx=480-505,in steps of 5
	ZXM7-SPLDD120-xxx/M	Mono-crystalline Silicon,xxx=435-460,in steps of 5
	ZXM7-SHLDD120-xxx/M	Mono-crystalline Silicon,435-460,in steps of 5
	ZXM7-SPLD144-xxx/M	Mono-crystalline Silicon,xxx=520-550,in steps of 5
	ZXM7-SHLD144-xxx/M	Mono-crystalline Silicon,xxx=520-550,in steps of 5
	ZXM7-SPLD132-xxx/M	Mono-crystalline Silicon,xxx=480-505,in steps of 5
	ZXM7-SHLD132-xxx/M	Mono-crystalline Silicon,xxx=480-505,in steps of 5
	ZXM7-SPLD120-xxx/M	Mono-crystalline Silicon,xxx=435-460,in steps of 5
	ZXM7-SHLD120-xxx/M	Mono-crystalline Silicon,xxx=435-460,in steps of 5

PV MODULES

Manufacturer name	Product ID	Description
ZNSHINE PV-TECH Co., Ltd	ZXP6-PLD144-xxx/P	Poly-crystalline Silicon, xxx= 310-370 W in step of 5 W
	ZXP6-HLD132-xxx/P	Poly-crystalline Silicon, xxx= 285-340 W in step of 5 W
	ZXP6-PLD132-xxx/P	Poly-crystalline Silicon, xxx= 285-340 W in step of 5 W
	ZXP6-HLD120-xxx/P	Poly-crystalline Silicon, xxx= 260-305 W in step of 5 W
	ZXP6-PLD120-xxx/P	Poly-crystalline Silicon, xxx= 260-305 W in step of 5 W
	ZXP6-LD66-xxx/P	Poly-crystalline Silicon, xxx= 290-325 W in step of 5 W
	ZXM6-78-xxx/M	Mono-crystalline Silicon xxx=400-430, in steps of 5W
	ZXM6-72-XXX/M	Mono-crystalline Silicon xxx=355-400, in steps of 5W
	ZXM6-66-XXX/M	Mono-crystalline Silicon xxx=340-365, in steps of 5W
	ZXM6-H156-xxx/M	Mono-crystalline Silicon xxx=415-435, in steps of 5W
	ZXM6-NH156-xxx/M	Mono-crystalline Silicon xxx=420-440,455-485, in steps of 5
	ZXM6-NH144-xxx/M	Mono-crystalline Silicon xxx=390-405,420-450, in steps of 5W
	ZXM6-NH132-xxx/M	Mono-crystalline Silicon xxx=355-375, 385-410 in steps of 5W
	ZXM6-NH120-xxx/M	Mono-crystalline Silicon xxx=325-340, 350-375 in steps of 5W
	ZXM6-LD72-xxx/M	Mono-crystalline Silicon xxx=380-400, in steps of 5W
	ZXM6-LD66-xxx/M	Mono-crystalline Silicon xxx=350-365, in steps of 5W
	ZXM6-NHLD144-xxx/M	Mono-crystalline Silicon xxx=380-410,425-450 in steps of 5W
	ZXM6-NHLD132-xxx/M	Mono-crystalline Silicon xxx=350-375,390-410 in steps of 5W
	ZXM6-NHLD120-xxx/M	Mono-crystalline Silicon xxx=320-340,355-375 in steps of 5W
	ZXM6-LDD72-xxx/M	Mono-crystalline Silicon xxx=370-400, in steps of 5W
	ZXM6-LDD66-xxx/M	Mono-crystalline Silicon xxx=350-365, in steps of 5W
	ZXM6-LDD60-xxx/M	Mono-crystalline Silicon xxx=310-330, in steps of 5W
	ZXM6-NHLDD144-xxx/M	Mono-crystalline Silicon xxx=385-410,430-450 in steps of 5W
	ZXM6-NHLDD132-xxx/M	xxx=360-375,395-410 in steps of 5, 132 cells
	ZXM6-NHLDD120-xxx/M	Mono-crystalline Silicon xxx=325-340,360-375 in steps of 5W
	ZXM6-HLDD144-xxx/M	Mono-crystalline Silicon xxx=380-405, in steps of 5W
	ZXM6-HLDD132-xxx/M	Mono-crystalline Silicon xxx=350-370, in steps of 5W
	ZXM6-HLDD120-xxx/M	Mono-crystalline Silicon xxx=320-335, in steps of 5W
	ZXM6-66-XXX/M	Mono-crystalline Silicon,xxx=340-365, in steps of 5W
	ZXM6-H156-XXX/M	Mono-crystalline Silicon,xxx=415-435, in steps of 5W
	ZXM6-NH156-XXX/M	Mono-crystalline Silicon,xxx=420-440, 455-495, in steps of 5W
	ZXM6-NH144-XXX/M	Mono-crystalline Silicon,xxx=390-410, 420-455, in steps of 5W
	ZXM6-NH132-XXX/M	Mono-crystalline Silicon,xxx=355-375, 385-415 in steps of 5W
	ZXM6-NH120-XXX/M	Mono-crystalline Silicon,xxx=325-340, 350-380 in steps of 5W
	ZXM6-NHLD144-XXX/M	Mono-crystalline Silicon,xxx=380-410, 425-450 in steps of 5W
	ZXM6-NHLD132-XXX/M	Mono-crystalline Silicon,xxx=350-375, 390-410 in steps of 5W
	ZXM6-NHLD120-XXX/M	Mono-crystalline Silicon,xxx=320-340, 355-375 in steps of 5W
	ZXM6-LDD72-XXX/M	Mono-crystalline Silicon,xxx=380-400, in steps of 5W
	ZXM6-LDD66-XXX/M	Mono-crystalline Silicon,xxx=350-365, in steps of 5W
	ZXM6-LDD60-XXX/M	Mono-crystalline Silicon,xxx=320-330, in steps of 5W
	ZXM6-NHLDD144-XXX/M	Mono-crystalline Silicon,xxx=385-410, 430-450 in steps of 5W
	ZXM6-NHLDD132-XXX/M	Mono-crystalline Silicon,xxx=360-375, 395-410 in steps of 5W
	ZXM6-NHLDD120-XXX/M	Mono-crystalline Silicon,xxx=325-340, 360-375 in steps of 5W
	ZXM6-HLDD144-XXX/M	Mono-crystalline Silicon,xxx=380-405, in steps of 5W
	ZXM6-HLDD132-XXX/M	Mono-crystalline Silicon,xxx=350-370, in steps of 5W
	ZXM6-HLDD120-XXX/M	Mono-crystalline Silicon,xxx=320-335, in steps of 5W
	ZXM6-LD66-xxx/M	Mono-crystalline Silicon,xxx=350-365, in steps of 5W

PV INVERTERS

Manufacturer name	Product ID	Description	Usage Category
	PVI-3.0-TL-OUTD(-S)	3kW	Residential, Commercial and Light Industrial Environment
	PVI-3.6-TL-OUTD(-S)	3.6kW	Residential, Commercial and Light Industrial Environment
	PVI-4.2-TL-OUTD(-S)	4.2kW	Residential, Commercial and Light Industrial Environment
	PVI-5000-TL-OUTD(-S)	5kW	Residential, Commercial and Light Industrial Environment
	PVI-6000-TL-OUTD(-S)	6kW	Residential, Commercial and Light Industrial Environment
	PVI-10.0-TL-OUTD(-S)(-FS)	10 kW	Residential, Commercial and Light Industrial Environment
	PVI-12.5-TL-OUTD(-S)(-FS)	12.5 kW	Residential, Commercial and Light Industrial Environment
	TRIO - 5.8 - TL - OUTD	5.8 kW	Residential, Commercial and Light Industrial Environment

ABB	TRIO - 7.5 - TL - OUTD	7.5 kW	Residential, Commercial and Light Industrial Environment
	TRIO - 8.5 - TL - OUTD	8.5 kW	Residential, Commercial and Light Industrial Environment
	TRIO - 20.0 - TL - OUTD	20 kW	Residential, Commercial and Light Industrial Environment
	TRIO - 27.6 - TL - OUTD	27.6 kW	Residential, Commercial and Light Industrial Environment
	TRIO-50.0-TL-OUTD	50 kW	All - Residential, Commercial and Industrial Environment
	ULTRA -700.0 TL -OUTD	700 kW	Industrial Environment
	ULTRA -1050.0 TL -OUTD	1050 kW	Industrial Environment
	TRIO-TM-50.0-400	50kW	All - Residential, Commercial and Industrial Environment
	TRIO-TM-60.0-480	60kW	All - Residential, Commercial and Industrial Environment
	ULTRA -1400.0 TL -OUTD	1400 kW	Industrial Environment
	PVS-100/120-TL	100kW/120kW	Industrial Environment
	PVS-100-TL	100 kW	All - Residential, Commercial and Industrial Environment
	PVS-120-TL	120 kW	All - Residential, Commercial and Industrial Environment
	UNO-DM-xxx-TL-PLUS	1.2/2.0/3.3/4.0/4.6/5.0 KW	All - Residential, Commercial and Industrial Environment
	PVS800-57B-1645kW-C	1645 kW	Industrial Environment
	PVS800-57B-1732kW-C	1732 kW	Industrial Environment
	UNO-DM-5.0-TL-PLUS-SB-QU	5 KW	All - Residential, Commercial and Industrial Environment
	UNO-DM-5.0-TL-PLUS-B-QU	5 KW	All - Residential, Commercial and Industrial Environment
	UNO-DM-1.2/2.0/3.0/3.3/4.0/4.6-TL-PLUS-SB-Q	1.2/2.0/3.0/3.3/4.0/4.6 KW	All - Residential, Commercial and Industrial Environment
	UNO-DM-1.2/2.0/3.0/3.3/4.0/4.6-TL-PLUS-B-Q	1.2/2.0/3.0/3.3/4.0/4.6	All - Residential, Commercial and Industrial Environment
	PVS980-58-1818kVA-I	1818	Industrial Environment
	PVS980-58-1909kVA-J	1909	Industrial Environment
	PVS980-58-2000-K	2000	Industrial Environment
	PVS980-58-2091kVA-L	2091	Industrial Environment
	PVS-175-TL-S	175kW	Industrial Environment
	PVS-175-TL-S2	175kW	Industrial Environment
	PVS-175-TL-SX	175kW	Industrial Environment
	PVS-175-TL-SX2	175kW	Industrial Environment
	PVS-50-TL	50kW	All - Residential, Commercial and Industrial Environmen
	PVS-50-TL-S	50kW	All - Residential, Commercial and Industrial Environmen
	PVS-50-TL-SX	50kW	All - Residential, Commercial and Industrial Environmen
	PVS-50-TL-SX2	50kW	All - Residential, Commercial and Industrial Environmen
PVS-60-TL	60kW	All - Residential, Commercial and Industrial Environmen	
PVS-60-TL-S	60kW	All - Residential, Commercial and Industrial Environmen	
PVS-60-TL-SX	60kW	All - Residential, Commercial and Industrial Environmen	
PVS-60-TL-SX2	60kW	All - Residential, Commercial and Industrial Environmen	
FIMER	PVS-20-TL-SX	20W	All - Residential, Commercial and Industrial Environment
	PVS-20-TL-SY	20W	All - Residential, Commercial and Industrial Environment
	PVS-20-TL-SXD	20W	All - Residential, Commercial and Industrial Environment
	PVS-30-TL-SX	30W	All - Residential, Commercial and Industrial Environment
	PVS-30-TL-SY	30W	All - Residential, Commercial and Industrial Environment
	PVS-33-TL-SX	33W	All - Residential, Commercial and Industrial Environment
	PVS-33-TL-SY	33W	All - Residential, Commercial and Industrial Environment
	PVS-12.5-TL-SX	12.5W	All - Residential, Commercial and Industrial Environment
	PVS-12.5-TL-SY	12.5W	All - Residential, Commercial and Industrial Environment
	PVS-15-TL-SX	15W	All - Residential, Commercial and Industrial Environment
	PVS-15-TL-SY	15W	All - Residential, Commercial and Industrial Environment
	PVS-10-TL-SX	10W	All - Residential, Commercial and Industrial Environment
PVS-10-TL-SY	10W	All - Residential, Commercial and Industrial Environment	
Fronius International GmbH	Primo 3.0 -1	3.0kW	All - Residential, Commercial and Industrial Environment
	Primo 3.5 -1	3.5kW	All - Residential, Commercial and Industrial Environment
	Primo 3.6 -1	3.6kW	All - Residential, Commercial and Industrial Environment
	Primo 4.0 -1	4kW	All - Residential, Commercial and Industrial Environment
	Primo 4.6 -1	4.6kW	All - Residential, Commercial and Industrial Environment
	Primo 5.0-1	5kW	All - Residential, Commercial and Industrial Environment
	Primo 6.0-1	6kW	All - Residential, Commercial and Industrial Environment
	Primo 8.2-1	8.2kW	All - Residential, Commercial and Industrial Environment
	Fronius Symo 3.0-3-M	3 kW	All - Residential, Commercial and Industrial Environment
	Fronius Symo 3.7-3-M	3.7 kW	All - Residential, Commercial and Industrial Environment
	Fronius Symo 4.5-3-M	4.5 kW	All - Residential, Commercial and Industrial Environment
	Fronius Symo 5.0-3-M	5 kW	All - Residential, Commercial and Industrial Environment
	Fronius Symo 6.0-3-M	6 kW	All - Residential, Commercial and Industrial Environment
	Fronius Symo 7.0-3-M	7 kW	All - Residential, Commercial and Industrial Environment
	Fronius Symo 8.2-3-M	8.2 kW	All - Residential, Commercial and Industrial Environment
	Fronius Symo 10.0-3-M	10kW	All - Residential, Commercial and Industrial Environment
	Fronius Symo 12.5-3-M	12.5kW	All - Residential, Commercial and Industrial Environment
	Fronius Symo 15.0-3-M	15kW	All - Residential, Commercial and Industrial Environment
Fronius Symo 17.5-3-M	17.5kW	All - Residential, Commercial and Industrial Environment	

	Fronius Symo 20.0-3-M	20kW	All - Residential, Commercial and Industrial Environment
	Fronius Eco 25.0-3-S	25kW	All - Residential, Commercial and Industrial Environment
	Fronius Eco 27.0-3-S	27kW	All - Residential, Commercial and Industrial Environment
	Tauro 50-3-P	50kW /50	All - Residential, Commercial and Industrial Environment
	Tauro Eco 50-3-D	50kW /50	All - Residential, Commercial and Industrial Environment
	Tauro Eco 50-3-P	50kW /50	All - Residential, Commercial and Industrial Environment
	Tauro Eco 100-3-D	100kW /100	All - Residential, Commercial and Industrial Environment
	Tauro Eco 100-3-P	100kW /100	All - Residential, Commercial and Industrial Environment
	Tauro 50-3-D	50kW /50	All - Residential, Commercial and Industrial Environment
PV INVERTERS			
Manufacturer name	Product ID	Description	Usage Category
Canadian Solar Inc.	CSI-20KTL-GI-FL	20kW	All - Residential, Commercial and Industrial Environment
	CSI-25KTL-GI-FL	25kW	All - Residential, Commercial and Industrial Environment
	CSI-30KTL-GI-FL	30kW	All - Residential, Commercial and Industrial Environment
	CSI-40KTL-GI-HFL	40kW	All - Residential, Commercial and Industrial Environment
	CSI-40KTL-GI-FL	40kW	Industrial Environment
	CSI-50KTL-GI	50kW	Industrial Environment
	CSI-50KTL-GI-HFL	50kW	Industrial Environment
	CSI-60KTL-GI-H	60kW	Industrial Environment
Gree Electric Appliances, Inc. of Zhuhai	GMV-Y224WM/C-X	20kW	All - Residential, Commercial and Industrial Environment
	GMV-Y280WM/C-X	20kW	All - Residential, Commercial and Industrial Environment
	GMV-Y335WM/C-X	20kW	All - Residential, Commercial and Industrial Environment
Jiangsu GoodWe Power Supply Technology Co., Ltd.	GW50K-MT	50 kW	Industrial Environment
	GW60K-MT	60 kW	Industrial Environment
GoodWe Technologies Co., Ltd.	GW225K-HT		
	GW250K-HT		
	GW120K-HT		
	GW250KN-HT		
	GW100K-HT	100 KW	
	GW110K-HT	110 KW	
	GW120K-HT	120 KW	
	GW136K-HT	136 KW	
Huawei	SUN2000-8KTL	8 kW	All - Residential, Commercial and Industrial Environment
	SUN2000-12KTL	12 kW	All - Residential, Commercial and Industrial Environment
	SUN2000-17KTL	17 kW	All - Residential, Commercial and Industrial Environment
	SUN2000-20KTL	20 kW	All - Residential, Commercial and Industrial Environment
	SUN2000-36KTL	36 kW	All - Residential, Commercial and Industrial Environment
	SUN2000-42KTL	42 kW	All - Residential, Commercial and Industrial Environment
	SUN2000-50KTL-M0	50 kW	All - Residential, Commercial and Industrial Environment
	SUN 2000 -60KTL- M0	60 kW	All - Residential, Commercial and Industrial Environment
	SUN2000(10)KTL-M0	10KW	All - Residential, Commercial and Industrial Environment
	SUN2000(12)KTL-M0	12KW	All - Residential, Commercial and Industrial Environment
	SUN2000(15)KTL-M0	15KW	All - Residential, Commercial and Industrial Environment
	SUN2000(17)KTL-M0	17KW	All - Residential, Commercial and Industrial Environment
	SUN2000(20)KTL-M0	20KW	All - Residential, Commercial and Industrial Environment
	SUN2000-3KTL_M0	3 kW	All - Residential, Commercial and Industrial Environment
	SUN2000-4KTL_M0	4 kW	All - Residential, Commercial and Industrial Environment
	SUN2000-5KTL_M0	5 kW	All - Residential, Commercial and Industrial Environment
	SUN2000-6KTL_M0	6 kW	All - Residential, Commercial and Industrial Environment
	SUN2000-8KTL_M0	8 kW	All - Residential, Commercial and Industrial Environment
	SUN2000-10KTL_M0	10 kW	All - Residential, Commercial and Industrial Environment
	SUN2000-65KTL-M0	65 kW	Industrial Environment
	SUN2000-185 KTL-H1	185 KW	Industrial Environment
	SUN2000-105 KTL-H1	105 KW	Industrial Environment
	SUN2000 100 KTL -M1	100 kW	All - Residential, Commercial and Industrial Environment
	SUN 2000 200KTL-H2	200 kW	Industrial Environment
	SUN 2000 12KTL-M2	12KW	All - Residential, Commercial and Industrial Environment
	SUN 2000 15KTL-M2	15 kW	All - Residential, Commercial and Industrial Environment
	SUN 2000 17KTL-M4	17KW	All - Residential, Commercial and Industrial Environment
	SUN 2000 200KTL-M2	20 kW	All - Residential, Commercial and Industrial Environment
SUN 2000 200KTL-H2	200 kW	Industrial Environment	
SUN 2000 12/15/17/20 KTL-M2	12/15/17/20 kW	All - Residential, Commercial and Industrial Environment	
SUN 2000 30/36/40 KTL-M3	30/36/40 kW	All - Residential, Commercial and Industrial Environment	
SUN2000 3/4/5/6/8/10KTL-M1	3/4/5/6/8/10 kW	All - Residential, Commercial and Industrial Environment	
	INGECON SUN 2.5 TL M	2.5 kW	All - Residential, Commercial and Industrial Environment
	INGECON SUN 2.7 TL M	2.7 kW	All - Residential, Commercial and Industrial Environment
	INGECON SUN 3 TL M	3 kW	All - Residential, Commercial and Industrial Environment
	INGECON SUN 3.3 TL M	3.3 kW	All - Residential, Commercial and Industrial Environment
	INGECON SUN 3.68 TL M	3.68 kW	All - Residential, Commercial and Industrial Environment
	INGECON SUN 4.6 TL M	4.68 kW	All - Residential, Commercial and Industrial Environment

Ingeteam	INGECON SUN 5 TL M	5 kW	All - Residential, Commercial and Industrial Environment
	INGECON SUN 5.5 TL M	5.5 kW	All - Residential, Commercial and Industrial Environment
	INGECON SUN 6 TL M	6 kW	All - Residential, Commercial and Industrial Environment
	INGECON SUN 10 TL M	10 kW	
	INGECON SUN 12.5 TL M	12.5 kW	
	INGECON SUN 15 TL M	15 kW	All - Residential, Commercial and Industrial Environment
	INGECON SUN 20 TL M	20 kW	All - Residential, Commercial and Industrial Environment
	INGECON SUN 10 TL	10 kW	All - Residential, Commercial and Industrial Environment
	INGECON SUN 12.5 TL	12.5 kW	All - Residential, Commercial and Industrial Environment
	INGECON SUN 15 TL	15 kW	All - Residential, Commercial and Industrial Environment
	INGECON SUN 20 TL	20 kW	All - Residential, Commercial and Industrial Environment
	INGECON SUN 3 PLAY 10 TL	10 kW	All - Residential, Commercial and Industrial Environment
	INGECON SUN 3 PLAY 12.5 TL	12.5 kW	All - Residential, Commercial and Industrial Environment
	INGECON SUN 3 PLAY 15 TL	15 kW	All - Residential, Commercial and Industrial Environment
	INGECON SUN 3 PLAY 20 TL	20 kW	All - Residential, Commercial and Industrial Environment

PV INVERTERS			
Manufacturer name	Product ID	Description	Usage Category

Ingeteam	INGECON SUN 3 PLAY 28 TL	28 kW	
	INGECON SUN 3 PLAY 33 TL	33 kW	
	INGECON SUN 3 PLAY 10 TLM	10 kW	All - Residential, Commercial and Industrial Environment
	INGECON SUN 3 PLAY 12.5 TLM	12.5 kW	All - Residential, Commercial and Industrial Environment
	INGECON SUN 3 PLAY 15 TLM	15 kW	All - Residential, Commercial and Industrial Environment
	INGECON SUN 3 PLAY 20 TLM	20 kW	All - Residential, Commercial and Industrial Environment
	INGECON SUN 3 PLAY 24 TLM	24 kW	
	INGECON SUN 3 PLAY 28 TLM	28 kW	All - Residential, Commercial and Industrial Environment
	INGECON SUN 3 PLAY 33 TLM	33 kW	All - Residential, Commercial and Industrial Environment
	INGECON SUN 3 PLAY 40 TLM	40 kW	All - Residential, Commercial and Industrial Environment
	INGECON SUN 275TL M220	304.8 kW	
	INGECON SUN 275TL X220	304.8 kW	
	INGECON SUN 350TL M275	381.1 kW	
	INGECON SUN 350TL X275	381.1 kW	
	INGECON SUN 380TL M300	415.7 kW	
	INGECON SUN 380TL X300	415.7 kW	
	INGECON SUN 400TL M320	443.4 kW	
	INGECON SUN 400TL X320	443.4 kW	
	INGECON SUN 440TL M345	478 kW	
	INGECON SUN 440TL X345	478 kW	
	INGECON SUN 460TL M360	498.8 kW	
	INGECON SUN 460TL X360	498.8 kW	
	INGECON SUN 500TL M400	554.3 kW	
	INGECON SUN 500TL X400	554.3 kW	
	INGECON SUN 535TL M420	582 kW	
	INGECON SUN 535TL X420	582 kW	
	INGECON SUN 410TL M220	457.3 kW	
	INGECON SUN 410TL X220	457.3 kW	
	INGECON SUN 520TL M275	571.6 kW	
	INGECON SUN 520TL X275	571.6 kW	
	INGECON SUN 570TL M300	623.5 kW	
	INGECON SUN 570TL X300	623.5 kW	
	INGECON SUN 605TL M320	665.1 kW	
	INGECON SUN 605TL X320	665.1 kW	
	INGECON SUN 660TL M345	717.1 kW	
	INGECON SUN 660TL X345	717.1 kW	
	INGECON SUN 690TL M360	748.2 kW	
	INGECON SUN 690TL X360	748.2 kW	
	INGECON SUN 750TL M400	831.4 kW	
	INGECON SUN 750TL X400	831.4 kW	
INGECON SUN 805TL M420	873 kW		
INGECON SUN 805TL X420	873 kW		
INGECON SUN 550TL M220	609.7 kW		
INGECON SUN 550TL X220	609.7 kW		
INGECON SUN 695TL M275	762.1 kW		
INGECON SUN 695TL X275	762.1 kW		
INGECON SUN 760TL M300	831.4 kW		
INGECON SUN 760TL X300	831.4 kW		
INGECON SUN 800TL M320	886.8 kW		
INGECON SUN 800TL X320	886.8 kW		
INGECON SUN 880TL M345	956.1 kW		
INGECON SUN 880TL X345	956.1 kW		

INGECON SUN 920TL M360	997.7 kW	
INGECON SUN 920TL X360	997.7 kW	
INGECON SUN 1000TL M400	1108.5 kW	
INGECON SUN 1000TL X400	1108.5 kW	
INGECON SUN 1070TL M420	1163.9 kW	
INGECON SUN 1070TL X420	1163.9 kW	
INGECON SUN 830TL B300	830 kW	Industrial Environment
INGECON SUN 860TL B310	860 kW	Industrial Environment
INGECON SUN 890TL B320	890 kW	Industrial Environment
INGECON SUN 915TL B330	915 kW	Industrial Environment
INGECON SUN 940TL B340	940 kW	Industrial Environment
INGECON SUN 970TL B350	970 kW	Industrial Environment
INGECON SUN 1000TL B360	1000 kW	Industrial Environment
INGECON SUN 1025TL B370	1025 kW	Industrial Environment

PV INVERTERS

Manufacturer name	Product ID	Description	Usage Category
	INGECON SUN 1050TL B380	1050 kW	Industrial Environment
	INGECON SUN 1070TL B385	1070 kW	Industrial Environment
	INGECON SUN 1080TL B390	1080 kW	Industrial Environment
	INGECON SUN 1110TL B400	1110 kW	Industrial Environment
	INGECON SUN 1140TL B410	1140 kW	Industrial Environment
	INGECON SUN1165TL B420	1165 kW	Industrial Environment
	INGECON SUN 1170TL B450	1170W	All - Residential, Commercial and Industrial Environment
	INGECON SUN 1195TL B460	1195W	All - Residential, Commercial and Industrial Environment
	INGECON SUN 1220TL B470	1220W	All - Residential, Commercial and Industrial Environment
	INGECON SUN 1247TL B480	1247W	All - Residential, Commercial and Industrial Environment
	INGECON SUN 1273TL B490	1273W	All - Residential, Commercial and Industrial Environment
	INGECON SUN 1300TL B500	1300W	All - Residential, Commercial and Industrial Environment
	INGECON SUN 1325TL B510	1325W	All - Residential, Commercial and Industrial Environment
	INGECON SUN 1350TL B520	1350W	All - Residential, Commercial and Industrial Environment
	INGECON SUN 1376TL B530	1376W	All - Residential, Commercial and Industrial Environment
	INGECON SUN 1400TL B540	1400W	All - Residential, Commercial and Industrial Environment
	INGECON SUN 1430TL B550	1430W	All - Residential, Commercial and Industrial Environment
	INGECON SUN 1455TL B560	1455W	All - Residential, Commercial and Industrial Environment
	INGECON SUN 1480TL B570	1480W	All - Residential, Commercial and Industrial Environment
	INGECON SUN 1500TL B578	1500W	All - Residential, Commercial and Industrial Environment
	INGECON SUN 1532TL B590	1532W	All - Residential, Commercial and Industrial Environment
	INGECON SUN 1560TL B600	1560W	All - Residential, Commercial and Industrial Environment
	INGECON SUN 1600TL B615	1600W	All - Residential, Commercial and Industrial Environment
	INGECON SUN 1640TL B630	1640W	All - Residential, Commercial and Industrial Environment
	INGECON SUN STORAGE 830TL B300	830W	All - Residential, Commercial and Industrial Environment
	INGECON SUN STORAGE 860TL B310	860W	All - Residential, Commercial and Industrial Environment
	INGECON SUN STORAGE 890TL B320	890W	All - Residential, Commercial and Industrial Environment
	INGECON SUN STORAGE 915TL B330	915W	All - Residential, Commercial and Industrial Environment
Ingeteam	INGECON SUN STORAGE 940TL B340	940W	All - Residential, Commercial and Industrial Environment
	INGECON SUN STORAGE 970TL B350	970W	All - Residential, Commercial and Industrial Environment
	INGECON SUN STORAGE 1000TL B360	1000W	All - Residential, Commercial and Industrial Environment
	INGECON SUN STORAGE 1025TL B370	1025W	All - Residential, Commercial and Industrial Environment
	INGECON SUN STORAGE 1050TL B380	1050W	All - Residential, Commercial and Industrial Environment
	INGECON SUN STORAGE 1070TL B385	1070W	All - Residential, Commercial and Industrial Environment
	INGECON SUN STORAGE 1080TL B390	1080W	All - Residential, Commercial and Industrial Environment
	INGECON SUN STORAGE 1110TL B400	1110W	All - Residential, Commercial and Industrial Environment
	INGECON SUN STORAGE 1140TL B410	1140W	All - Residential, Commercial and Industrial Environment
	INGECON SUN STORAGE 1165TL B420	1165W	All - Residential, Commercial and Industrial Environment
	INGECON SUN STORAGE 1170TL B450	1170W	All - Residential, Commercial and Industrial Environment
	INGECON SUN STORAGE 1195TL B460	1195W	All - Residential, Commercial and Industrial Environment
	INGECON SUN STORAGE 1220TL B470	1220W	All - Residential, Commercial and Industrial Environment
	INGECON SUN STORAGE 1247TL B480	1247W	All - Residential, Commercial and Industrial Environment
	INGECON SUN STORAGE 1273TL B490	1273W	All - Residential, Commercial and Industrial Environment
	INGECON SUN STORAGE 1300TL B500	1300W	All - Residential, Commercial and Industrial Environment
	INGECON SUN STORAGE 1325TL B510	1325W	All - Residential, Commercial and Industrial Environment
	INGECON SUN STORAGE 1350TL B520	1350W	All - Residential, Commercial and Industrial Environment
	INGECON SUN STORAGE 1376TL B530	1376W	All - Residential, Commercial and Industrial Environment
	INGECON SUN STORAGE 1400TL B540	1400W	All - Residential, Commercial and Industrial Environment
	INGECON SUN STORAGE 1430TL B550	1430W	All - Residential, Commercial and Industrial Environment
	INGECON SUN STORAGE 1455TL B560	1455W	All - Residential, Commercial and Industrial Environment
	INGECON SUN STORAGE 1480TL B570	1480W	All - Residential, Commercial and Industrial Environment
	INGECON SUN STORAGE 1500TL B578	1500W	All - Residential, Commercial and Industrial Environment
	INGECON SUN STORAGE 1532TL B590	1532W	All - Residential, Commercial and Industrial Environment

	INGECON SUN STORAGE 1560TL B600	1560W	All - Residential, Commercial and Industrial Environment
	INGECON SUN STORAGE 1600TL B615	1600W	All - Residential, Commercial and Industrial Environment
	INGECON SUN STORAGE 1640TL B630	1640W	All - Residential, Commercial and Industrial Environment
	INGECON SUN 720TL B260	720W	Industrial Environment
PV INVERTERS			
Manufacturer name	Product ID	Description	Usage Category
Ingeteam	INGECON SUN 748TL B270	748W	Industrial Environment
	INGECON SUN 1190TL B430	1190W	Industrial Environment
	INGECON SUN 1220TL B440	1220W	Industrial Environment
	INGECON SUN 1250TL B450	1250W	Industrial Environment
	INGECON SUN 1275TL B460	1275W	Industrial Environment
	INGECON SUN 1580TL B630	1580W	Industrial Environment
	INGECON SUN 1665TL B640	1665W	Industrial Environment
	INGECON SUN 1690TL B650	1690W	Industrial Environment
	INGECON SUN 1715TL B660	1715W	Industrial Environment
	INGECON SUN 1740TL B670	1740W	Industrial Environment
	INGECON SUN 1767TL B680	1767W	Industrial Environment
	INGECON SUN 1800TL B690	1800W	Industrial Environment
	INGECON SUN 1820TL B700	1820W	Industrial Environment
	INGECON SUN STORAGE 720TL B260	720W	Industrial Environment
	INGECON SUN STORAGE 748TL B270	748W	Industrial Environment
	INGECON SUN STORAGE 1190TL B430	1190W	Industrial Environment
	INGECON SUN STORAGE 1220TL B440	1220W	Industrial Environment
	INGECON SUN STORAGE 1250TL B450	1250W	Industrial Environment
	INGECON SUN STORAGE 1275TL B460	1275W	Industrial Environment
	INGECON SUN STORAGE 1303TL B470	1303W	Industrial Environment
	INGECON SUN STORAGE 1665TL B640	1665W	Industrial Environment
	INGECON SUN STORAGE 1690TL B650	1690W	Industrial Environment
	INGECON SUN STORAGE 1715TL B660	1715W	Industrial Environment
	INGECON SUN STORAGE 1740TL B670	1740W	Industrial Environment
	INGECON SUN STORAGE 1767TL B680	1767W	Industrial Environment
	INGECON SUN STORAGE 1800TL B690	1800W	Industrial Environment
	INGECON SUN STORAGE 1820TL B700	1820W	Industrial Environment
	INGECON SUN 3Play 100 TL	90kW@360V/95kW@380V/100kW@400V/105kW@420V/110kW@440V	All - Residential, Commercial and Industrial Environment
KACO New Energy GmbH	Blueplanet 50.0 TL3 M1 WM OD IIGM	50 KW	All-Residential, Commercial and industrial Environment
	Blueplanet 50.0 TL3 M1 WM OD IIGX	50 KW	All-Residential, Commercial and industrial Environment
	Blueplanet 50.0 TL3 M1 WM OD IIGB	50 KW	All-Residential, Commercial and industrial Environment
	Blueplanet 50.0 TL3 M1 WM OD IIGS	50 KW	All-Residential, Commercial and industrial Environment
	Blueplanet 50.0 TL3 M1 WM OD FRGX	50 KW	All-Residential, Commercial and industrial Environment
	bluplanet 20.0 TL3 M2 WM OD IIG0	20 kW	All-Residential, Commercial and industrial Environment
	bluplanet 15.0 TL3 M2 WM OD IIG0	15 kW	All-Residential, Commercial and industrial Environment
	blueplanet 3.0 TL3	3 kW	All-Residential, Commercial and industrial Environment
	blueplanet 4.0 TL3	4 Kw	All-Residential, Commercial and industrial Environment
	blueplanet 5.0 TL3	5 Kw	All-Residential, Commercial and industrial Environment
	blueplanet 6.5 TL3	6.5 kW	All-Residential, Commercial and industrial Environment
	blueplanet 7.5 TL3	7.5 KW	All-Residential, Commercial and industrial Environment
	blueplanet 8.6 TL3	8.6 KW	All-Residential, Commercial and industrial Environment
	blueplanet 9 TL3	9 KW	All-Residential, Commercial and industrial Environment
	blueplanet 10 TL3	10 Kw	All-Residential, Commercial and industrial Environment
	blueplanet 87.0 TL3 M1 WM OD IIF0	87kW	industrial Environment
	blueplanet 92.0 TL3M1 WM OD IIG0	92 kW	industrial Environment
	blueplanet 125 TL3 WM OD IIP0	125 kW	industrial Environment
	blueplanet 137 TL3 WM OD IIP0	137 kW	industrial Environment
	Blueplanet 105 TL3 M1 WM OD IIG0	99 KW	
Blueplanet 150 TL3 M1 WM OD IIQ0	150 KW		
Blueplanet 155 TL3 M1 WM OD IIP0	155 KW		
Blueplanet 165 TL3 M1 WM OD IIQ0	165 KW		
Lti REEnergy GmbH	PVM3.57.300.EM	300 kW	Industrial Enveronment
	PVMS.40K	40 kW	All - Residential, Commercial and Industrial Environment
	PVMS.46K	46 kW	Industrial Environment
	PVMS.20K	30 kW	All - Residential, Commercial and Industrial Environment
	PVMS.23K	34.5 kW	All - Residential, Commercial and Industrial Environment
	PVMS.20K	20 Kw	All - Residential, Commercial and Industrial Environment
PVMS.23K	23 Kw	All - Residential, Commercial and Industrial Environment	
Shneider Electric	Conext CL20000E	20 kW	All - Residential, Commercial and Industrial Environment
	Conext CL60E	60 kW	Residential, commercial and light Industrial Environment
	Conext CL36	36 kW	Residential, commercial and light Industrial Environment
	Conext CL25000E	25 kW	All - Residential, Commercial and Industrial Environment
	CL 33	33kW	All - Residential, Commercial and Industrial Environment

	CL50	50 KW	All - Residential, Commercial and Industrial Environment
SMA	STP 15000TL-30	15 kW	All - Residential, Commercial and Industrial Environment
	STP 20000TL-30	20 kW	All - Residential, Commercial and Industrial Environment
	STP 25000TL-30	25 kW	All - Residential, Commercial and Industrial Environment
	STP50-40	50 kW	All - Residential, Commercial and Industrial Environment
	MLX / STP 60	60 kW	All - Residential, Commercial and Industrial Environment
	SB3.0-1AV-40	3 kW	All - Residential, Commercial and Industrial Environment
	SB3.6-1AV-40	3.68 kW	All - Residential, Commercial and Industrial Environment
PV INVERTERS			
Manufacturer name	Product ID	Description	Usage Category
SMA	SB4.0-1AV-40	4 kW	All - Residential, Commercial and Industrial Environment
	SB5.0-1AV-40	5 kW	All - Residential, Commercial and Industrial Environment
	SHP75-10	75 kW	Industrial Environment
	STP-110-60	110 kW	Industrial Environment
	STP8.0-3AV-40	8 Kw	
	STP10.0-3AV-40	10 Kw	
	STP3.0-3AV-40	3Kw	
	STP4.0-3AV-40	4Kw	
	STP6.0-3AV-40	6 Kw	
	Sungrow Power Supply Co., Ltd	SG36KTL-M	36 kW
SG110CX		110kVA@45C - 100 kVA@50C	All - Residential, Commercial and Industrial Environment
SG60KTL		60 kW	All - Residential, Commercial and Industrial Environment
SG33CX		33 kW	All - Residential, Commercial and Industrial Environment
SG40CX		40 kW	All - Residential, Commercial and Industrial Environment
SG50CX		50 kW	All - Residential, Commercial and Industrial Environment
SG250HX-IN		200 kW	Industrial, Envoironment
SG250HX		225 kW	Industrial, Envoironment
SG5KTL-MT		5kW	All - Residential, Commercial and Industrial Environment
SG6KTL-MT		6kW	All - Residential, Commercial and Industrial Environment
SG8KTL-M		8kW	All - Residential, Commercial and Industrial Environment
SG10KTL-M		10kW	All - Residential, Commercial and Industrial Environment
SG12KTL-M		12kW	All - Residential, Commercial and Industrial Environment
SG15KTL-M		15kW	All - Residential, Commercial and Industrial Environment
SG20KTL-M		20kW	All - Residential, Commercial and Industrial Environment
SG5.0RT		5kW	All - Residential, Commercial and Industrial Environment
SG6.0RT		6kW	All - Residential, Commercial and Industrial Environment
SG7.0RT		7kW	All - Residential, Commercial and Industrial Environment
SG8.0RT		8kW	All - Residential, Commercial and Industrial Environment
SG10.0RT		10kW	All - Residential, Commercial and Industrial Environment
SG12.0RT		12kW	All - Residential, Commercial and Industrial Environment
SG15.0RT		15kW	All - Residential, Commercial and Industrial Environment
SG20 RT		20kW	All - Residential, Commercial and Industrial Environment
SG3.0RS		3kW	All - Residential, Commercial and Industrial Environment
SG3.6RS		3.6kW	All - Residential, Commercial and Industrial Environment
SG4.0RS		4.0kW	All - Residential, Commercial and Industrial Environment
SG5.0RS		5.0kW	All - Residential, Commercial and Industrial Environment
SG6.0RS		6.0kW	All - Residential, Commercial and Industrial Environment
SG25CX-P2		25 kW	All - Residential, Commercial and Industrial Environment
SG30CX-P2		30 kW	All - Residential, Commercial and Industrial Environment
SG33CX-P2		33 kW	All - Residential, Commercial and Industrial Environment
SG36CX-P2		36 kW	All - Residential, Commercial and Industrial Environment
SG40CX-P2	40 kW	All - Residential, Commercial and Industrial Environment	
SG50CX-P2	50 kW	All - Residential, Commercial and Industrial Environment	
SG125CX-P2	125 kW	All - Residential, Commercial and Industrial Environment	
Shenzhen Sofar solar co ltd	SOFAR 20000 TL-G2	20 kW	All - Residential, Commercial and Industrial Environment
	SOFAR 25000 TL-G2	25kW	All - Residential, Commercial and Industrial Environment
	SOFAR 30000 TL-G2	30 kW	All - Residential, Commercial and Industrial Environment
	SOFAR33000 TL-G2	33 kW	All - Residential, Commercial and Industrial Environment
	SOFAR-50000 TL	50 kW	Industrial, Envoironment
	SOFAR 60000TL	60 kW	Industrial, Envoironment
	SOFAR 3.3K-12KTLX-G3	3.3-12KW	Industrial, Envoironment
	SOFAR 15-24KTLX-G3	15-24KW	Industrial, Envoironment
	SOFAR 2s-soKTLX-G3	25-50KW	Industrial, Envoironment
	SOFAR Go-soKTLX-G3	60-80KW	Industrial, Envoironment
	SOFAR 100-110KTL	100-110KW	Industrial, Envoironment
	SOFAR 255KTL-HV	255KW	Industrial, Envoironment
	SGN	SGN1300 TL	1000W
SGN1800 TL		1500W	All -Residential, commercial and light environment
SGN2300 TL		2000W	All -Residential, commercial and light environment
SGN2700 TL		2500W	All -Residential, commercial and light environment

Shanghai Trannergy Power Electronics Co.,Ltd	SGN3000 TL	3000W	All -Residential, commercial and light environment
	SGN3400 TL	3000W	All -Residential, commercial and light environment
	SGN4000 TL	4000W	All -Residential, commercial and light environment
	SGN4600 TL	4600W	All -Residential, commercial and light environment
	SGN5400 TL	5000W	All -Residential, commercial and light environment
	SGN6600TL	6000W	All -Residential, commercial and light environment
SIEL S.p.a	SOLEIL DSPX 80 TRH 400	80 kW	All -Residential, commercial and light environment
REFU Elektronik GmbH	REFUsoI 08K	8.25KW	All -Residential, commercial and light environment
	REFUsoI 10K	10KW	All -Residential, commercial and light environment
	REFUsoI 13K	13KW	All -Residential, commercial and light environment
	REFUsoI 17K	17KW	All -Residential, commercial and light environment
	REFUsoI 20K	20KW	All -Residential, commercial and light environment
	REFUsoI 40k (840P040)	40KW	Industrial Enveronment
	REFUsoI 46k (840P046)	46KW	Industrial Enveronment
	REFUsoI 40k (842P040)	40KW	All-Residential, Commercial and industrial Enveronment
Shenzhen Growatt New Energy Technology Co., Ltd	Growatt 30000TL3-S	30000	All -Residential, commercial and light environment
	Growatt 33000TL3-S	33000	All -Residential, commercial and light environment
	Growatt 40000TL3-NS	40000	All -Residential, commercial and light environment
	MAX 50KTL 3LV	50 kW	Industrial Environment
	MAX 60KTL 3LV	60 kW	Industrial Environment
	MAX 70KTL 3LV	70 kW	Industrial Environment
Petra Solar Inc.	SWM 2.1	0.24	All -Residential, commercial and light environment
	WeCo Srl Italia	SDX-3-xxxTL	5 kW, 6kW, 8kW, 10kW, 12kW, 15kW, 17kW, 20kW, 33kW
Solar Edge GmbH	SE27.6K	27600W	All - Residential, Commercial and Industrial Environment
	SE82.8K	82800W	All - Residential, Commercial and Industrial Environment
	SE55K	55000W	All - Residential, Commercial and Industrial Environment
	SE5K	5000W	All - Residential, Commercial and Industrial Environment
	SE7K	7000W	All - Residential, Commercial and Industrial Environment
	SE10K	10000W	All - Residential, Commercial and Industrial Environment
	SE12.5K	12500W	All - Residential, Commercial and Industrial Environment
	SE25K	25000W	All - Residential, Commercial and Industrial Environment
	SE33.3K	33300W	All - Residential, Commercial and Industrial Environment
	SE66.6K	66600W	All - Residential, Commercial and Industrial Environment
	SE100K	100000W	All - Residential, Commercial and Industrial Environment
Sineng Electric Co	SP-120K-BL	110-110 KW	All - Residential, Commercial and Industrial Environment

PV INVERTERS

Manufacturer name	Product ID	Description	Usage Category
Evolve Energy	EVVO 33000TLG23P	33000W	
	EVVO 20000TLG23P	20000W	
	EVVO 25000TLG23P	25000W	
	EVVO 30000TLG23P	30000W	
	EVVO 50000TL3P	50000W	
	EVVO 60000TL3P	60000W	
	EVVO 70000TL3P-HV	70000W	
	EVVO 33000TLG23P	33000W	
	EVVO 20000TLG23P	20000W	
	EVVO 25000TLG23P	25000W	
	EVVO 30000TLG23P	30000W	
	EVVO 50000TL3P	50000W	
	EVVO 60000TL3P	60000W	
	EVVO 70000TL3P-HV	70000W	

INTERFACE PROTECTIONS

Manufacturer name	Product ID
ABB	UFDM34M (to be installed with communication unit "RTU560")
ZIEHL*	SPI1021
Lovato Electric S.p.A. *	PMVF60