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 Thursday, October 19, 2017

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 cristalline SI
	P18JXXX	250-260W (in steps of 5) Poly cristalline SI
	P19XXX	280-295W (in steps of 5) Poly cristalline SI
Almaden MENA FZE	SEAM40-xxx	mono c-Si 155-185, in steps of 5
	SEAM50-xxx	mono c-Si 200-225 in steps of 5
	SEAM60-xxx	mono c-Si 215-275 in steps of 5
	SEAM72-xxx	mono c-Si260-330 in steps of 5
	SEAP40- xxx	Poly-Si 155 - 185W, in steps of 5
	SEAP50-xxx	Poly-Si 190 - 235W, in steps of 5
	SEAP60-xxx	Poly-Si 205 - 280W, in steps of 5
	SEAP72-xxx	Poly-Si 220 - 335W, in steps 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	AZM606P250	MC-Si 250 W

PV MODULES		
Manufacturer name	**Product ID**	**Description**
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 xxx P6D-36	mc-Si 265-340
	BYD P6C-30	255-315 W sc-Si Poly crystalline
BHEL	L20220P	Multi-crystalline (Poly-crystalline), (215-265 Wp) ,in step of 1
	L24270P	Multi-crystalline (Poly-crystalline), (260 - 320 Wp),in step of 1
Bahmani Manufacturing and Industrial Technology Co. L.L.C	NST54	220 Wp - 225 Wp
	NST60	250 Wp - 285 Wp
	NST 72	300 Wp - 345 Wp
Calyxo GmbH	CX3-70	CdTe 70W
	CX3-72	CdTe 72W
Canadian Solar	CS6P250P	Poly crystalline-Si 250W
	CS6P255P	Poly crystalline-Si 255W
	CS6P260P	Poly crystalline-Si 260W
	CS6P260M	Monocrystalline silicon 260W
	CS6P265M	Monocrystalline silicon 265W
	CS6P270M	Monocrystalline silicon 270W
	CS6X305P	Poly crystalline-Si 305W
	CS6X310P	Poly crystalline-Si 310W
	CS6X315P	Poly crystalline-Si 315W
	CS6K-xxxP-FG	Poly crystalline-260-275, in step of 5
	CS6X-xxxP-FG	Poly crystalline- 315-330, in step of 5
	CS6K-XXX-MS	Mono-crystalline Silicon 290-300 W, in step of 5
	CS3K-300MS, CS3K-305MS, CS3K-310MS,CS3K-315MS	Mono-crystalline Silicon 300-315W in step of 5
	CS3K-275P, CS3K-280P, CS3K-285P, CS3K-290P	Poly-crystalline Silicon 275-290W in step of 5
	CS3K-285P, CS3K-290P, CS3K-295P, CS3K-300P	Poly-crystalline Silicon 285-300W, in step of 5
	CS3U-360MS, CS3U-365MS, CS3U-370MS,CS3U-375MS	Mono-crystalline Silicon 360-375W, in step of 5
	CS3U-330P, CS3U-335P, CS3U-340P, CS3U-345P	Poly-crystalline Silicon 330-345W, in step of 5

PV MODULES		
Manufacturer name	**Product ID**	**Description**
Canadian Solar	CS3U-345P, CS3U-350P, CS3U-355P, CS3U-360P	Poly-crystalline Silicon 345-360W, in step of 5
	CS6K-275M, CS6K-280M, CS6K-285M, CS6K-290M	Mono-crystalline Silicon 275-290W, in step of 5
	CS6U-330M, CS6U-335M, CS6U-340M, CS6U-345M	Mono-crystalline Silicon 330-345W, in step of 5
	CS6X-310P, CS6X-315P, CS6X-320P, CS6X-325P	Poly-crystalline Silicon 310-325, in step of 5
	CS6U-325P, CS6U-330P, CS6U-335P, CS6U-340P	Poly-crystalline Silicon 325-340W, in step of 5
	CS6K-XXX-P	Poly-crystalline Silicon 265-275W,in step of 5
Caterpillar	PVT110	CdTe 110W
	PVT115	CdTe 115W
	PVT117	CdTe 117W
Chinaland Solar energy Co.Ltd.	CHN250 - 60P	sc-Si 250 W
	CHN260 - 60P	sc-Si 260 W
	CHN300 - 72P	sc-Si 300 W
	CHN310 - 72P	sc-Si 310 W
Chint Solar (Zhejiang) Co., Ltd	CHSM6612P-XXX	mc-Si 315, 320 W
RECOM AG	RCM-xxx-6MB	MONO-Si 250-280W
	RCM-XXX-6PA	Poly-Si 280-310W
	RCM-xxx-6PB	Poly-Si 240-260W
duSol	DS60250W	Mc-Si 250W
	DS72300W	Mc-Si 300W
	DS60270W	MC-Si 270W
	DS60260W	Mc-Si 260W
	DS72200W	Mc-Si 200W
	DS72225W	Mc-Si 225W
	DS72175W	Mc-Si 175W
	DS36150W	MC-Si 150W
	DS36100W	Mc-Si 100W
	DS36125W	Mc-Si 125W
	DS3675W	Mc-Si 75W
	DS3660W	MC-Si 60W
	DS3650w	Mc-Si 50W
	DS3640w	Mc-si 40w
ECONESS ENERGY	EN156-M-60-265	Mono crysalline 265W
	EN156-M-72-315	Mono crysalline 315W
	EN156-P-60-250	Poly crystaline 250W
	EN156-P-72-300	Poly crystaline 300W
Eging Photovoltaic Technology Co.LTd	EG-xxxP60-C	Sc-Si 200-255W
	EG-xxxP72-C	Sc-Si 245-305W
Einnova Solarline	ES-P672xxxYZ	Sc-Si 250/260/300/310 W
ET solar Industry limited	ET-P660 Series	Poly-Si 250-265W
	ET-P672 Series	Poly-Si 300-315W
	ET-M660 Series	Mono-si 255-270W
	ET-M672 Series	Mono-si 305-320W
First Solar	FS-4110-2	Cd-Te 110W
	FS-4107A-2	Cd-Te 107.5W
	FS-4110A-2	Cd-Te 110W
	FS-4112A-2	Cd-Te 112.5W
	FS-4112-2	Cd-Te 112.5W
	FS-4105A-2	Cd-Te 105W
	FS-4107-2	Cd-Te 107.5W

PV MODULES		
Manufacturer name	**Product ID**	**Description**
First Solar	FS-4102A-2	Cd-Te 102.5W
	FS-4105-2	Cd-Te 105W
	FS-4102-2	Cd-Te 102.5W
	FS-4xxx-3	CdTe 105 - 122.5 W
	FS-4xxxA-3	CdTe 105 - 122.5W
Futurasun	FUXXXM	sc-Si 300-315 Wp
	FUXXXM	sc-Si 245-260 W
	FUXXXP	mc-Si 240-265 Wp
	FUXXXP	mc-Si 295-305 Wp
GCL System Integration Technology Co., Ltd	GCL-P6/72-310	mc-Si 310 W
	GCL-P6/60-xxx	mc-si 260-285W, in step of 5
	GCL-P6/72-xxx	mc-Si 310-330W, in step of 5
General Energy Solutions	7NAC000-06Axxx	mc-Si 215-275W
	7NAC000-06Cxxx	mc-Si 255-330W
	7NAC001-06Axxx	mc-Si 195-295W
	7NAC001-06Cxxx	mc-Si 235-350W
	7NAE001-06Axxx	sc-Si 220-300W
	7NAE001-06Cxxx	sc-Si 245-360W
Gintung Energy Corp	GTEC-xxxG6S66 (xxx=140-175,in steps of 5)	Sc-Si 140-175W
	GTEC-xxxG6S68 (xxx=190-235,in steps of 5)	Sc-Si 190-235 W
	GTEC-xxxG6S69 (xxx=210-265,in steps of 5)	Sc-Si 210-265 W
	GTEC-xxxG6S6A (xxx=230-295,in steps of 5)	Sc-Si 230-295 W
	GTEC-xxxG6S6B (xxx=260-325,in steps of 5)	Sc-Si 260-325 W
	GTEC-xxxG6S (xxx=280-355,in steps of 5)	Sc-Si 280-355 W
	GTEC-xxxG6M66 (xxx=140-175,in steps of 5)	Mc-Si 140-175 W
	GTEC-xxxG6M68 (xxx=190-235,in steps of 5)	Mc-Si 190 - 235 W
	GTEC-xxxG6M69 (xxx=210-265,in steps of 5)	Mc-Si 210 - 265 W
	GTEC-xxxG6M6A (xxx=230-295,in steps of 5)	Mc-Si 230-295 W
	GTEC-xxxG6M6B (xxx=260-325,in steps of 5)	Mc-Si 260-325 W
	GTEC-xxxG6M (xxx=280-355,in steps of 5)	Mc-Si 280-355 W
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
HanwhaSolarOne (Qidong) Co., Ltd	HSL72P6-PC-1-XXX	mc-Si (multicristalline) 250-270 W, in steps of 5
	HSL60P6-PC-1-XXX	mc-Si (multicristalline) 290-310 W, in steps of 5
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

PV MODULES		
Manufacturer name	**Product ID**	**Description**
Hollandia Power Solutions Inc.	HPS0xxxP-72	mc-Si 240 - 315W, 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 - 325 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
HECKERT Solar GmbH (Gilco)	MEMO 60 P255 19	sc-si 255W
	MEMO 60 P260 19	sc-si 260W
	MEMO 60 P265 19	sc-si 265W
	NEMO 60 P270 19	sc-si 270W
	MEMO 60 P275 19	sc-si 275W
HENGDIAN GROUP,DMEGC CO.,LTD	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 crystaline(xxx=310 to 350 in step of 5)
	DMxxx-P156-60	Poly crystaline(xxx=250 to 290 in step of 5)
Hanwha Qcell(Qidong) co.,Ltd	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.Power LG-5	Poly-crystalline 315-330W, 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
	JAM6(K)(DG) 60/72/PR/1500	(xxx=270-295/330-350) Mono crystalline
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

PV MODULES		
Manufacturer name	**Product ID**	**Description**
JAKSON Engineers Limited	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
Jinko Solar	JKMxxxP-60	210-280W, in steps of 5 6'poly
	JKMxxxP-72	250-335W,in steps of 5 6'poly
	JKMxxxPP-60	210-280W,in steps of 5 6'poly
	JKMxxxPP-72	250-335W,in steps of 5 6'poly
	JKMSxxxP-60	210-280W,in steps of 5 6'poly
	JKMSxxxP-72	250-335W,in steps of 5 6'poly
	JKMxxxPP-60-V	210-280W, in steps of 5 6'poly
	JKMxxxPP-72-V	250-340, in steps of 5 6'poly
	JKMxxxPP-60-DV	240-285, in steps of 5 6'poly
	JKMxxxPP-72-DV	285-345, in steps of 5 6'poly
	JKMxxxM-60	280-320, in steps of 5 6'poly
	JKMxxxM-72	335-385, in steps of 5 6'poly
	JKMSxxxPP-60	210-280, in steps of 5 6'poly
	JKMSxxxPP-72	250-340, in steps of 5 6'poly
Jiangsu Aiduo Photovoltaic Technology Co., Ltd.	ADXXX-36P	Poly-Crystalline Silicon XXX=130-150W, in step of 5
	ADXXX-36S	Mono-Crystalline Silicon XXX=135-155W, in step of 5
	ADXXX-48P	Poly-Crystalline Silicon XXX=175-225W, in step of 5
	ADXXX-48S	Mono-Crystalline Silicon XXX=180-205W, in step of 5
	ADXXX-54P	Poly-Crystalline Silicon XXX=200-225W, in step of 5
	ADXXX-54S	Mono-Crystalline Silicon XXX=210-235W, in step of 5

PV MODULES		
Manufacturer name	**Product ID**	**Description**
Jiangsu Aiduo Photovoltaic Technology Co., Ltd.	ADXXX-72S	Mono-Crystalline SiliconXXX=280-320W, in step of 5
	ADXXX-60P	Poly-Crystalline Silicon XXX=255-265W, in step of 5
	ADXXX-60S	Mono-Crystalline Silicon XXX=230-260W, in step of 5
	ADXXX-72M	Mono-Crystalline Silicon XXX=175-205W, in step of 5
	ADXXX-72P	Poly-Crystalline Silicon XXX=270-320W, in step of 5
	ADXXX-72M	Mono-crystalline Silicon XXX=175-205W, in step of 5
	ADXXX-36S	Mono-crystalline SiliconXXX=135-175W, in step of 5
	ADXXX-48S	Mono-crystalline SiliconXXX=180-235W, in step of 5
	ADXXX-54S	Mono-crystalline SiliconXXX=210-265W, in step of 5
	ADXXX-60S	Mono-crystalline SiliconXXX=230-295W, in step of 5
	ADXXX-72S	Mono-crystalline Silicon XXX=280-355W, in step of 5
	ADXXX-36P	Poly-crystalline Silicon XXX=130-170W, in step of 5
	ADXXX-40P	Poly-crystalline Silicon XXX=160-185W, in step of 5
	ADXXX-48P	Poly-crystalline Silicon XXX=175-225W, in step of 5
	ADXXX-54P	Poly-crystalline Silicon XXX=200-255W, in step of 5
	ADXXX-72P	Poly-crystalline Silicon XXX=270-340W, in step of 5
	ADXXX-60P	Poly-crystalline SiliconXXX=225-280W, in step of 5
Juli New Energy	JLS60P250W(156)	mc-si 250 W
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 200W
	JTS xxx	mc-si 250W
Jyotitech Solar LLP	JTS xxx	mc-si 255W
	JTS xxx	mc-si 260W
	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
LG electronics	LG275S1C-B3	sc-Si 275 Wp/0 - +3%
	LG280S1C-B3	sc-Si 280 Wp/0 - +3%
	LG300N1C-B3	sc-Si 300 Wp/0 - +3%
	LG305N1C-B3	sc-Si 305 Wp/0 - +3%
	LG300N1C-G4	sc-Si 300W/0 - +3%
	LG280S1C-L4	sc-Si 280 Wp/0 - +3%
	LG285S1C-L4	sc-Si 285 Wp/0 - +3%
	LG290S1C-L4	sc-Si 290 Wp/0 - +3%
	LG300N1K-G4	sc-Si 300W/0 - +3%
	LG305N1C-G4	sc-Si 305W/0 - +3%
	LG310N1C-G4	sc-Si 310W/0 - +3%
	LG315N1C-G4	sc-Si 315W/0 - +3%

PV MODULES		
Manufacturer name	**Product ID**	**Description**
LG electronics	LG320N1C-G4	sc-Si 320W/0 - +3%
	LGxxxN1C-A5	Sc-Si 335W, 330W,325W
	LGxxxN1K-A5	Sc-Si 320W, 315W
	LGxxxN2C-A5	Sc-Si 410W, 405W, 400W, 395W, 390W
	LGxxxN2W-A5	Sc-Si 410W, 405W, 400W, 395W, 390W
	LGxxxS1C-A5	Sc-Si 300W, 295W, 290W
	LG315N1W-G4	Sc-si 315W
	LGxxxS2W-A5	Sc-Si 360W, 355W, 350W
LARRI Solar Technology Co.Ltd	LR6-60-xxxM	mc-Si 300 -360 W,in steps of 5
	LR6-72-xxxM	mc-Si 250 -300 W,in steps of 5
Looop Inc	LPW-270P-60H	mc-SI 270W
	LPW-275P-60H	mc-SI 275W
MAYSUN SOLAR FZCO	MSxxxM-72	Mono-Crystalline Silicon xxx=285-340,in step of 5
	MSxxxM-60	Mono-Crystalline Silicon xxx=240-285,in step of 5
	MSxxxM-36	Mono-Crystalline Silicon xxx=145-170,in step of 5
	MSxxxP-72	Poly-Crystalline Silicon xxx=285-340,in step of 5
MAYSUN SOLAR FZCO	MSxxxP-60	Poly-Crystalline Silicon xxx=235-280,in step of 5
	MSxxxP-36	Poly-Crystalline Silicon xxx=140-165,in step of 5
Miasole Hi-tech Corp	FLEX-02 xxx NS	CIGS- 65-85W, in step of 5
	FLEX-02 xxx N	CIGS-110-130W, in step of 5
	FLEX-02 xxx WS	CIGS-210-250W, in step of 10
	FLEX-02 W	CIGS-340-380W, in step of 10
	FLEX-02 XXX C132	CIGS-255 -305W, in step of 5
Neo Solar Power Corporation	D6PxxxB3A	mc-Si 210 -275 W
	D6PxxxB5A	mc-Si 185-245 W
	D6PxxxB2A	mc-Si 170 - 220 W
	D6PxxxB1A	mc-Si 125-165 W
	D6PxxxA3A	mc-Si 210 - 250 W
	D6PxxxA5A	mc-Si 185 - 225 W
	D6PxxxA2A	mc-Si 170 - 200 W
	D6LxxxK3A	sc-Si 285-300W, in step of 5
	D6LxxxK4A	sc-Si 350-355W, in step of 5
	D6PxxxA1A	mc-Si 125 - 145 W
NICE SUN PV Co., Ltd	NCS-6BMXXX	sc-Si 215-285 in increments of 5
	NCS-6AMXXX	sc-Si 255-345 in increments of 5
	NCS-6APXXX	mc-Si 255-340 in increments of 5
Ningbo Ulica Solar	UL-xxxM-60	sc-Si 270 W
	UL-xxxP-60	mc-Si 260-270W, in steps of 5
	UL-xxxM-72	sc-Si 320-330W, in steps of 5
	UL-xxxP-72	mc-Si 310-320W, in steps of 5
Omsun Power Private Limited	OM60XXX	Mc-Si 210-275 W
	OM60XXX	Mc-Si 180-200 W
	OM54XXX	Mc-Si 150-170 W
	OM36XXX	Mc-Si 110-140 W
	OM36XXX	Mc-Si 100 W
Panasonic	VBMS260AE04	Poly 260 W
	VBMS255AE04	Poly 255 W
	VBMS250AE04	Poly 250 W
	VBHN235SJ25	HIT Cell Technology 235W

PV MODULES		
Manufacturer name	**Product ID**	**Description**
Panasonic	VBHN240SJ25	HIT Cell Technology 240W
	VBHN245SJ25	HIT Cell Technology 245W
	VBHN235SE10	HIT Cell Technology 235W
	VBHN294SJ45	HIT Cell Technology 294W
	VBHN325SJ47	HIT Cell Technology 325W
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
	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
Philadelphia Solar	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
Phono Solar Technology Co., Ltd	PSXXXM-24/F	C-SI 170-210 W
	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
REC Solar	REC265TP	multicrystalline (mc-Si) , 265 W
	REC270TP	multicrystalline (mc-Si) , 270 W
	REC275TP	multicrystalline (mc-Si), 275 W
	REC280TP	multicrystalline (mc-Si) , 280 W
	REC xxx PE 72	multicrystalline (mc-Si), 295 - 315 W, in steps of 5
	REC 260 PE	multicrystalline (mc-Si) , 260 W
	RECxxxPE 72	multicrystalline (mc-Si) , 300 - 320 Wp
	RECxxxPE	multicrystalline (mc-Si), 245 - 270 Wp
	RECxxxPE BLK	multicrystalline (mc-Si) , 245 - 270 Wp
	RECxxxPE2S 72	multicrystalline (mc-Si) , 320 - 330 Wp
	RECxxxPE2S 72 XV	multicrystalline (mc-Si) , 320 - 330 Wp
	RECxxxTP 72	multicrystalline (mc-Si) , 330 - 350 Wp
	RECxxxTP 72 XV	multicrystalline (mc-Si), 330 - 350 Wp
	RECxxxTP	multicrystalline (mc-Si), 265 - 285 Wp
	RECxxxTP BLK	multicrystalline (mc-Si), 265 - 285 Wp
	RECxxxTP2	multicrystalline (mc-Si), 280 - 295 Wp
	RECxxxTP2 BLK	multicrystalline (mc-Si), 280 - 295 Wp
	RECxxxTP2S 72	multicrystalline (mc-Si), 330 - 350 Wp
	RECxxxTP2S 72 XV	multicrystalline (mc-Si), 330 - 350 Wp

PV MODULES		
Manufacturer name	**Product ID**	**Description**
Renesola Jiangsu Ltd	JCxxxS-24/Abs	sc-Si 315-335W, in steps of 5
	JCxxxS-24/Bbs	sc-Si 255-280W, in steps of 5
	JCxxxM-24/Abs	mc-Si 310-335W, in steps of 5
	JCxxxM-24/Bbs	mc-Si 255-285W, in steps of 5
RISEN Energy Co Ltd.	SYP200P	mc-Si 200W ±3%
	SYP 245S	Crystalline 245W
	RSM36-6-150P	mc-Si 150W +3% +ve power tolerance
	RSM60-6-XXXP	mc-Si 250-270W, in steps of 5 +3% +ve power tolerance
	RSM72-6-XXXP	mc-Si 300-320W, in steps of 5 +3% +ve power tolerance
	RSM60-6-XXXPDG	mc-Si 255-265W, in steps of 5 +3% +ve power tolerance
RenewSys India Private Limited	DESERV 3M6 XXX	mc-si (36 cells) 140 W - 170 W
	DESERV 3M6 XXX	mc-si (48 cells) 185 W - 230W
	DESERV 3M6 XXX	mc-si (54 cells) 210 W - 260 W
	DESERV 3M6 XXX	mc-si (60 cells) 235 W - 285 W
	DESERV 3M6 XXX	mc-si (72 cells) 280 W - 345 W
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
Sunovation	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
SERAPHIM SOLAR SYSTEM CO.,LTD	SRP-XXX-6PA	mc-Si (XXX=305-320), in steps of 5
	SRP-XXX-6PB	mc-Si (XXX=225-265), in steps 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
Shandong Linuo Photovoltaic Hi-tech Co., Ltd	LN260(30) M-4-xxx	sc-Si, 270 -280 in steps of 5
	LN260(30) P-4-xxx	Mc-Si, 260 -270 in steps of 5
Shanghai Aerospace Automobile Electromechanical Co., Ltd	HT72-156P-XXX	Poly c-Si (XXX=310-330, in steps of 5)
	HT60-156P-XXX	Poly c-Si (XXX=260-275, in steps of 5)
	HT72-156M-XXX	mono c-Si(XXX=330-345, in steps of 5)
	HT60-156M-XXX	mono c-Si(XXX=270-290, in steps of 5)
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 crystalline215-310 in steps of 5
	NQ-RxxxA	256- 260W (in steps of 2W)
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

PV MODULES		
Manufacturer name	**Product ID**	**Description**
SolarWorld AG	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	mc-si 245-265W, in steps of 5
	JKMXXXP-72	mc-Si 295-320W, in steps of 5
	JKMXXXM-60	sc-Si 255-280W, in steps of 5
	JKMXXXM-72	sc-Si 300-320W, in steps of 5
Solon International LL FZE	Solon Blue/Black 220/16	sc-Si, mc-Si 225 - 275 WP
	Solon Blue/black 230/07	sc-Si, mc-Si 225-275 WP
	Solon Black 230/02	sc-Si, mc-Si 225-275 WP
	Solon Blue 270/11	sc-Si, mc-Si 300-330 WP
	Solon Blue 270/12	sc-Si, mc-Si 300-330 WP
	Solon Blue 270/17	sc-Si, mc-Si 300-330 WP
	Solon Black 280/11	sc-Si, mc-Si 300-330 WP
	Solon Black 280/12	sc-Si, mc-Si 300-330 WP
	Solon Black 280/17	sc-Si, mc-Si 300-330 WP
Stion	STO-XXXA	CIGS 120-160W, in steps of 5 - +2%
	STL-XXXA	CIGS 120-160W, in steps of 5 - +2%
SunPower	SPR-X20-327-COM	Back Contact Cell Mono Crystalline Maxeon) 327- 450W
	SPR-X21-345-COM	Back Contact Cell Mono Crystalline Maxeon) 327- 450W
	SPR-E20-435 COM	Back Contact Cell Mono Crystalline Maxeon) 327- 450W
	SPR-E20-435	Back Contact Cell Mono Crystalline Maxeon) 327- 450W
	SPR-E20-327 COM	Back Contact Cell Mono Crystalline Maxeon) 327- 450W
	SPR-P17-3xx COM	mc-si (xxx=315-85 in steps of 1, 498 cells)
	SPR-E20-327	Back Contact Cell Mono Crystalline Maxeon) 327- 450W
Solibro GmbH PV module	SL2	CIGS 125-150
	SL2-F	CIGS 125-150
Sunset Energitechnik GmbH	ASxxx/72	250-345W in steps of 5
	ASxxx/60	210-290W in steps of 5
	ASxxx/50	180-235W in steps of 5
	ASxxx/36	130-170W in steps of 5
	PXxxx/72	240-340W in steps of 5
	PXxxx/60	205-285W in steps of 5
	PXxxx/50	175-235W in steps of 5
	PXxxx/36	130-170W in steps of 5

PV MODULES		
Manufacturer name	**Product ID**	**Description**
Tata Power Solar Modules	TS XXX SBZ	130-160 W in steps of 5, 36 cells
	TPXXX SBZ	130-160 W in steps of 5, 36 cells
	TS XXX XBZ	175-215 W in steps of 5, 48 cells
	TP XXX XBZ	175-215 W in steps of 5, 48 cells
	TS XXX XBZ	200-245 W in steps of 5, 54 cells
	TP XXX XBZ	200-245 W in steps of 5, 54 cells
	TS XXX MBZ	220-270 W in steps of 5, 60 cells
	TP XXX MBZ	220-270 W in steps of 5, 60 cells
	TP XXX LBZ	265-325 W in steps of 5, 72 cells
	TS XXX SGZ	155-170 W in steps of 5, 36 cells
	TP XXX SGZ	155-170 W in steps of 5, 36 cells
	TS XXX XGZ	185-225 W in steps of 5, 48 cells
Tata Power Solar Modules	TP XXX XGZ	185-225 W in steps of 5, 48 cells
	TS XXX XGZ	210-255 W in steps of 5, 54 cells
	TP XXX XGZ	210-255 W in steps of 5, 54 cells
	TS XXX MGZ	230-285 W in steps of 5, 60 cells
	TP XXX MGZ	230-285 W in steps of 5, 60 cells
	TP XXX LGZ	280-340 W in steps of 5, 72 cells
	TC XXX	295-320 W in steps of 5, 72 cells
Trina Solar Middle East Ltd	TSM-xxxPDG5	Poly c-Si 230-290 W,in steps of 5
	TSM-xxxPDG5.50	Poly c-Si 230-290W, in steps of 5
	TSM-xxx PDG14	Poly c-Si 230-290W, in steps of 5
	TSM-xxx PEG5	Poly c-Si 230-290W, in steps of 5
	TSM-xxx PEG5.50	Poly c-Si 230-290W, in steps of 5
	TSM-xxx PEG14	Poly c-Si 230-290W, in steps of 5
	TSM-xxxPD05	mc-Si, 215-275W, in steps of 5
	TSM-xxxDD05A(II)	mono c-Si, 270-315W, in step of 5
	TSM-DD014A(II)	mono c-Si, 325-375W, in step of 5
	TSM-DEG5(II)	mc-Si, 260-315W, in step of 5
	TSM-DEG14(II)	mc-Si, 325-375W, in step of 5
TSMC Solar Europe GmbH	TS-xxxC2	CIGS 140-150W, in steps of 5
	TS-xxxC1	CIGS 140/150/155/165W
Upsolar Global CO,Ltd	Up-MxxxM	sc-Si 260-290W, in step of 5
	Up-MxxxM	sc-Si 310-345W, in step of 5
	Up-MxxxP	mc-Si 250-285W, instep of 5
	Up-MxxxP	mc-Si 300-340W, instep of 5
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	sc-Si 137-168 Wp
	ELDORA VSP.72.AAA.03	sc-Si 275-335 Wp
	ELDORA VSPB.60.AAA.03	sc-Si 228wp-279wp
	ELDORA VSPB.72.AAA.03	sc-Si 275Wp-335wp
	ELDORA VSPBB.60.AAA.03	sc-Si 228wp-279wp
	ELDORA VSP.60.AAA.03	sc-si 240-270W

PV MODULES		
Manufacturer name		**Description**
WAAREE Energies Ltd.	WS-XXX	mc-Si 230-270 W, in steps of 5
	WS-XXX	mc-Si 280-320 W, in steps of 5
WUXI Suntech Power Co, Ltd	STPxxx-20	mc-si 210-290 Wp
	STPxxx-24	mc-si 220-350 Wp
	STPxxxS-20	sc-si 210-310 Wp
	STPxxxS-24	sc-si 220-370 Wp
WeCo Italy Srl	WE-xxx/72P	300-340W in step of 20
	WE-xxx/60P	230-270-275-280W
	WE-xxx/54P	255W
Yingli Solar	YLxxxP-29b	multi 240-260kW in steps of 5
	YLxxxP-35b	multi 290-310kW in steps of 5
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
	XTP6-60-XXX	mc-si 240-260 W, in steps of 5
	XTP6-72-XXX	mc-si 290-305 W, in steps of 5
Zhongli Talesun Solar Co., Ltd	TP660M-XXX	sc-Si 265-280W,in steps of 5
	TP660P-XXX	mc-Si 260W-275W, insteps of 5
	TP672P-XXX	mc-Si 310-330,in steps of 5
Worldwide Energy and Manufacturing USA, Co., Ltd. (Amerisolar)	AS-6P30	mc-Si (265,270)
	AS-6P	mc-Si (320,330)

PV INVERTERS			
Manufacturer name	**Product ID**	**Description**	**Usage Category**
ABB	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
	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
	ULTRA -1400.0 TL -OUTD	1400 kW	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
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

PV INVERTERS			
Manufacturer name	**Product ID**	**Description**	**Usage Category**
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
Ingeteam	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
	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	All - Residential, Commercial and Industrial Environment
	INGECON SUN 12.5 TL M	12.5 kW	All - Residential, Commercial and Industrial Environment
	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
	INGECON SUN 3 PLAY 28 TL	28 kW	All - Residential, Commercial and Industrial Environment
	INGECON SUN 3 PLAY 33 TL	33 kW	All - Residential, Commercial and Industrial Environment
	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	All - Residential, Commercial and Industrial Environment
	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	Industrial Environment
	INGECON SUN 275TL X220	304.8 kW	Industrial Environment
	INGECON SUN 350TL M275	381.1 kW	Industrial Environment
	INGECON SUN 350TL X275	381.1 kW	Industrial Environment
	INGECON SUN 380TL M300	415.7 kW	Industrial Environment
	INGECON SUN 380TL X300	415.7 kW	Industrial Environment

PV INVERTERS			
Manufacturer name	**Product ID**	**Description**	**Usage Category**
Ingeteam	INGECON SUN 400TL M320	443.4 kW	Industrial Environment
	INGECON SUN 400TL X320	443.4 kW	Industrial Environment
	INGECON SUN 440TL M345	478 kW	Industrial Environment
	INGECON SUN 440TL X345	478 kW	Industrial Environment
	INGECON SUN 460TL M360	498.8 kW	Industrial Environment
	INGECON SUN 460TL X360	498.8 kW	Industrial Environment
	INGECON SUN 500TL M400	554.3 kW	Industrial Environment
	INGECON SUN 500TL X400	554.3kW	Industrial Environment
	INGECON SUN 535TL M420	582 kW	Industrial Environment
	INGECON SUN 535TL X420	582 kW	Industrial Environment
	INGECON SUN 410TL M220	457.3 kW	Industrial Environment
	INGECON SUN 410TL X220	457.3 kW	Industrial Environment
	INGECON SUN 520TL M275	571.6 kW	Industrial Environment
	INGECON SUN 520TL X275	571.6 kW	Industrial Environment
	INGECON SUN 570TL M300	623.5 kW	Industrial Environment
	INGECON SUN 570TL X300	623.5 kW	Industrial Environment
	INGECON SUN 605TL M320	665.1 kW	Industrial Environment
	INGECON SUN 605TL X320	665.1 kW	Industrial Environment
	INGECON SUN 660TL M345	717.1 kW	Industrial Environment
	INGECON SUN 660TL X345	717.1 kW	Industrial Environment
	INGECON SUN 690TL M360	748.2 kW	Industrial Environment
	INGECON SUN 690TL X360	748.2 kW	Industrial Environment
	INGECON SUN 750TL M400	831.4 kW	Industrial Environment
	INGECON SUN 750TL X400	831.4 kW	Industrial Environment
	INGECON SUN 805TL M420	873 kW	Industrial Environment
	INGECON SUN 805TL X420	873 kW	Industrial Environment
	INGECON SUN 550TL M220	609.7 kW	Industrial Environment
	INGECON SUN 550TL X220	609.7 kW	Industrial Environment
	INGECON SUN 695TL M275	762.1 kW	Industrial Environment
	INGECON SUN 695TL X275	762.1 kW	Industrial Environment
	INGECON SUN 760TL M300	831.4 kW	Industrial Environment
	INGECON SUN 760TL X300	831.4 kW	Industrial Environment
	INGECON SUN 800TL M320	886.8 kW	Industrial Environment
	INGECON SUN 800TL X320	886.8 kW	Industrial Environment
	INGECON SUN 880TL M345	956.1 kW	Industrial Environment
	INGECON SUN 880TL X345	956.1 kW	Industrial Environment
	INGECON SUN 920TL M360	997.7 kW	Industrial Environment
	INGECON SUN 920TL X360	997.7 kW	Industrial Environment
	INGECON SUN 1000TL M400	1108.5 kW	Industrial Environment
	INGECON SUN 1000TL X400	1108.5 kW	Industrial Environment
	INGECON SUN 1070TL M420	1163.9 kW	Industrial Environment
	INGECON SUN 1070TL X420	1163.9 kW	Industrial Environment
	INGECON SUN 830TL B300	830 kW	Industrial Environment

PV INVERTERS			
Manufacturer name	**Product ID**	**Description**	**Usage Category**
Ingeteam	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
	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 STORAGE 830TL B300	830 kW	Industrial Environment
	INGECON SUN STORAGE 1000TL B360	1000 kW	Industrial Environment
	INGECON SUN STORAGE 1070TL B385	1070 kW	Industrial Environment
	INGECON SUN STORAGE 1110TL B400	1110 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
	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

PV INVERTERS			
Manufacturer name	**Product ID**	**Description**	**Usage Category**
Ingeteam	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
Lti REEnergy GmbH	PVM3.57.300.EM	300 kW	Industrial Enveronment
Shneider Electric	Conext CL20000E	20 kW	All - Residential, Commercial and Industrial Environment
	Conext CL25000E	25 kW	All - Residential, Commercial and Industrial Environment
SMA	STP 15000TL-10	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
	MLX / STP 60	60 kW	All - Residential, Commercial and Industrial Environment
Sungrow Power Supply Co., Ltd	SG36KTL-M	36 kW	All - Resential, Commercial and Industrial Environment
Shanghai Trannergy Power Electronics Co.,Ltd	SGN1300 TL	1000W	All -Residential, commercial and light environment
	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
	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
REFU Elektronik GmbH	REFUsol 08K	8.25KW	All -Residential, commercial and light environment
	REFUsol 10K	10KW	All -Residential, commercial and light environment
	REFUsol 13K	13KW	All -Residential, commercial and light environment
	REFUsol 17K	17KW	All -Residential, commercial and light environment
	REFUsol 20K	20KW	All -Residential, commercial and light environment
	REFUsol 40k (840P040)	40KW	Industrial Enveronment
	REFUsol 46k (840P046)	46KW	Industrial Enveronment
	REFUsol 40k (842P040)	40KW	All-Residential, Commercial and industrial Environement
	REFUsol 46k (842P046)	46KW	Industrial Environment
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

INTERFACE PROTECTIONS		
Manufacturer name	**Product ID**	**Description**
ABB *	CM-UFD.M34	
ZIEHL*	SPI1021	
Lovato Electric S.p.A. *	PMVF60	

*** Approved under temporary derogation, and for power plant < 200Kw**