

PV MODULES			
Manufacturer Name	Product ID	Description	
* Aleo Solar GmbH	S18Jxxx	mc-Si, xxx= 250 - 255 W (in step of 5)	
	S19Lxxx	sc-Si, xxx= 280 - 300 W (in step of 5)	
	S19Jxxx	sc-Si, xxx= 265 - 275 W (in step of 5)	
	P18Jxxx	mc-Si, xxx= 250 - 260 W (in step of 5)	
	P19xxx	mc-Si, xxx= 280 - 295 W (in step of 5)	
* Almaden MENA FZE	SEAM 18W - xxx	sc-Si, $xxx=70-85$ W (in step of 5)	
	SEAM 18T - xxx	sc-Si, xxx= 70 - 85 W (in step of 5)	
	SEAM 36W - xxx	sc-Si, xxx= 145 - 175 W (in step of 5)	
	SEAM 36T - xxx	sc-Si, xxx= 145 - 175 W (in step of 5)	
	SEAM 40W - xxx	sc-Si, xxx= 155 - 195 W (in step of 5)	
	SEAM 40T - xxx	sc-Si, xxx= 155 - 195 W (in step of 5)	
	SEAM 42W - xxx	sc-Si, xxx= 155 - 205 W (in step of 5)	
	SEAM 42T - xxx	sc-Si, xxx= 155 - 205 W (in step of 5)	
	SEAM 48W - xxx	sc-Si, xxx= 180 - 230 W (in step of 5)	
	SEAM 48T - xxx	sc-Si, xxx= 180 - 230 W (in step of 5)	
	SEAM 50W - xxx	sc-Si, xxx= 200 - 240 W (in step of 5)	
	SEAM 50T - xxx	sc-Si, xxx= 200 - 240 W (in step of 5)	
	SEAM 54W - xxx	sc-Si, xxx= 205 - 260 W (in step of 5)	
	SEAM 54T - xxx	sc-Si, xxx= 205 - 260 W (in step of 5)	
	SEAM 60W - xxx	sc-Si, xxx= 225 - 290 W (in step of 5)	



PV MODULES		
Ianufacturer Name	Product ID	Description
	SEAM 60T - xxx	sc-Si, xxx= 225 - 290 W (in step of 5)
	SEAM 66W - xxx	sc-Si, xxx= 250 - 320 W (in step of 5)
	SEAM 66T - xxx	sc-Si, xxx= 250 - 320 W (in step of 5)
	SEAM 72W - xxx	sc-Si, xxx= 275 - 350 W (in step of 5)
	SEAM 72T - xxx	sc-Si, xxx= 275 - 350 W (in step of 5)
	SEAP 18W - xxx	mc-Si, xxx= 70 - 85 W (in step of 5)
	SEAP 18T - xxx	mc-Si, xxx= 70 - 85 W (in step of 5)
	SEAP 36W - xxx	mc-Si, xxx= 145 - 170 W (in step of 5
	SEAP 36T - xxx	mc-Si, xxx= 145 - 170 W (in step of 5
	SEAP 40W - xxx	mc-Si, xxx= 155 - 185 W (in step of 5
	SEAP 40T - xxx	mc-Si, xxx= 155 - 185 W (in step of 5
	SEAP 42W - xxx	mc-Si, xxx= 155 - 195 W (in step of 5
	SEAP 42T - xxx	mc-Si, xxx= 155 - 195 W (in step of 5
	SEAP 48W - xxx	mc-Si, xxx= 175 - 225 W (in step of 5
	SEAP 48T - xxx	mc-Si, xxx= 175 - 225 W (in step of 5)
	SEAP 50W - xxx	mc-Si, xxx= 190 - 235 W (in step of 5)
	SEAP 50T - xxx	mc-Si, xxx= 190 - 235 W (in step of 5)
	SEAP 54W - xxx	mc-Si, xxx= 200 - 250 W (in step of 5)
	SEAP 54T - xxx	mc-Si, xxx= 200 - 250 W (in step of 5)
	SEAP 60W - xxx	mc-Si, xxx= 220 - 280 W (in step of 5)



PV MODULES		
Manufacturer Name	Product ID	Description
	SEAP 60T - xxx	mc-Si, xxx= 220 - 280 W (in step of 5)
	SEAP 66W - xxx	mc-Si, $xxx = 240 - 310 W (in step of 5)$
	SEAP 66T - xxx	mc-Si, $xxx = 240 - 310 W$ (in step of 5)
	SEAP 72W - xxx	mc-Si, xxx = 295 - 335 W (in step of 5)
	SEAP 72T - xxx	mc-Si, xxx = 295 - 335 W (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 W (in step of 5)
	SEAC 30T - xxx	sc-Si, xxx= 140 - 155 W (in step of 5)
	SEAC 36W - xxx	sc-Si, xxx= 170 - 185 W (in step of 5)
	SEAC 36T - xxx	sc-Si, xxx= 170 - 185 W (in step of 5)
	SEAC 40W - xxx	sc-Si, xxx= 185 - 205 W (in step of 5)
	SEAC 40T - xxx	sc-Si, xxx= 185 - 205 W (in step of 5)
	SEAC 42W - xxx	sc-Si, xxx= 195 - 215 W (in step of 5)
	SEAC 42T - xxx	sc-Si, xxx= 195 - 215 W (in step of 5)
	SEAC 48W - xxx	sc-Si, xxx= 220 - 245 W (in step of 5)
	SEAC 48T - xxx	sc-Si, xxx= 220 - 245 W (in step of 5)
	SEAC 50W - xxx	sc-Si, xxx= 230 - 255 W (in step of 5)
	SEAC 50T - xxx	sc-Si, xxx= 230 - 255 W (in step of 5)
	SEAC 54W - xxx	sc-Si, xxx= 245 - 275 W (in step of 5)



PV MODULES		
Manufacturer Name	Product ID	Description
	SEAC 54T - xxx	sc-Si, xxx= 245 - 275 W (in step of 5)
	SEAC 60W - xxx	sc-Si, xxx= 270 - 310 W (in step of 5)
	SEAC 60T - xxx	sc-Si, $xxx=270$ - 310 W (in $step$ of 5)
	SEAC 66W - xxx	sc-Si, $xxx=300$ - 340 W (in step of 5)
	SEAC 66T - xxx	sc-Si, xxx= 300 - 340 W (in step of 5)
	SEAC 72W - xxx	sc-Si, xxx= 325 - 370 W (in step of 5)
	SEAC 72T - xxx	sc-Si, xxx= 325 - 370 W (in step of 5)
* Alternative Energy (AE) Solar	AExxxM5-36	sc-Si 90 - 110 W (in step of 5)
	AExxxM5-48	sc-Si 120 - 145W (in step of 5)
	AExxxM5-60	sc-Si 150 - 180 W (in step of 5)
	AExxxM5-72	sc-Si 180 - 215 W (in step of 5)
	AExxxM5-96	sc-Si 240 - 290 W (in step of 5)
	AExxxM6-36	sc-Si 140 - 165 W (in step of 5)
	AExxxM6-48	sc-Si 185 - 225 W (in step of 5)
	AExxxM6-54	sc-Si 210 - 250W (in step of 5)
	AExxxM6-60	sc-Si 230 - 280 W (in step of 5)
	AExxxM6-72	sc-Si 280 - 335 W (in step of 5)
	AExxxP6-36	$mc ext{-Si }135 ext{-}160 W ext{(in step of 5)}$
	AExxxP6-48	mc-Si 180 - 215 W (in step of 5)
	AExxxP6-54	mc-Si 205 - 245 W (in step of 5)



	PV MODULES	
Manufacturer Name	Product ID	Description
	AExxxP6-60	mc-Si 225 - 270 W (in step of 5)
	AExxxP6-72	mc-Si 270 - 325 W (in step of 5)
Azimut	AZM606/xxxP	mc-Si 210 - 275 W (in step of 5)
	AZM666/xxxP	mc-Si 245 - 300 W (in step of 5)
AVANCIS GmbH	PowerMax 3.5	CIGS (130 - 145, in step of 5 W)
Anhui Schutten Solar Energy	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	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



PV MODULES		
Manufacturer Name	Product ID	Description
	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	sc-Si, (215-265 W), in step of 1
	L24270P	sc-Si, (260 - 320 W), in step of 1
* Bahmani Mfg & Industrial Tech	NST54	220 Wp - 225 Wp
	NST60	250 Wp - 285 Wp
	NST 72	300 Wp - 345 Wp
* Bluesun Solar Energy	BSM340P-72	340 Wp*



	PV MODULES	
Manufacturer Name	Product ID	Description
* Calyxo GmbH	CX3-70	CdTe 70W
	CX3-72	CdTe 72W
	CX1	70W-80W
	CX3	72W-87W
	Сх3рго	72W-90W
	Cxpro/2	80W-90W
* 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	sc-Si, 290-300 W, in step of 5
	CS3K-xxxMS	sc-Si, 300-315W in step of 5
	CS3K-xxxP	mc-Si, 275-290W in step of 5



PV MODULES		
Manufacturer Name	Product ID	Description
	CS3K-xxxP	mc-Si, 285-300W, in step of 5
	CS3U-xxxMS	sc-Si, 360-375W, in step of 5
	CS3U-xxxP	mc-Si, 330-345W, in step of 5
	CS3U-xxxP	mc-Si, 345-360W, in step of 5
	CS6K-xxxM	sc-Si, 275-290W, in step of 5
	CS6U-xxxM	sc-Si, 330-345W, in step of 5
	CS6X-xxxP	mc-Si, 310-325, in step of 5
	CS6U-xxxP	mc-Si, 325-340W, in step of 5
	CS6K-XXX-P	mc-Si, 265-275W,in step of 5
* Caterpillar	PVT110	CdTe 110W
	PVT115	CdTe 115W
	PVT117	CdTe 117W
* Chinaland Solar Energy	CHN250 - 60P	sc-Si 250 W
	CHN260 - 60P	sc-Si 260 W
	CHN300 - 72P	sc-Si 300 W
	CHN310 - 72P	sc-Si 310 W
	CHNXXX-72P	Poly crystalline 315-335, in step of 5W
	CHNXXX-60P	Poly crystalline 265-280, in step of 5W
	CHNXXX-72M	Mono crystalline 330-350, in step of 5W
	CHNXXX-60M	Mono crystalline 275-290, in step of 5W



Chint Solar (Zhejiang)			PV MODULES	
* RECOM AG RCM-xxx-6PB RCM-xxx-6PB RCM-xxx-6PB RCM-xxx-6PB RCM-xxx-6PB-c-de-f RCM-xxx-6PA-SW RCSi 240-280W RCM-xxx-6PA-SW RCM-xxx-6PA-SW RCM-xxx-6PA-SW RCM-xxx-6PA	M	anufacturer Name	Product ID	Description
RCM-xxx-6PB	*	Chint Solar (Zhejiang)	CHSM6612P-XXX	mc-Si 315, 320 W
RCM-xxx-6PB sc-Si 240-280W RCM-xxx-6PB-c-de-f sc-Si 240-280 RCM-xxx-6PA-SW 290 to 305 W, in step of 5 RCM-xxx-6PA-SW 310 to 340 W, in step of 5 RCM-xxx-6PA-SW 345 to 350 W, in step of 5 RCM-xxx-6PA-SW 345 to 350 W, in step of 5 RCM-xxx-6PA-SW 345 to 350 W, in step of 5 RCM-xxx-6PA-SW 345 to 350 W, in step of 5 RCM-xxx-6PA-SW 345 to 350 W, in step of 5 RCM-xxx-6PA-SW 345 to 350 W, in step of 5 RCM-xxx-6PA-SW 345 to 350 W, in step of 5 RCM-xxx-6PA-SW 345 to 350 W, in step of 5 RCM-xxx-6PA-SW 340 to 340 W, in step of 5 RCM-xxx-6PA-SW 310 to 340 W, in step of 5 RCM-xxx-6PA-SW 310 to 340 W, in step of 5 RCM-xxx-6PA-SW 310 to 340 W, in step of 5 RCM-xxx-6PA-SW 310 to 340 W, in step of 5 RCM-xxx-6PA-SW 310 to 340 W, in step of 5 RCM-xxx-6PA-SW 345 to 350 W, in step of 5 RCM-xxx-6PA-SW 310 to 340 W, in step of 5 RCM-xx	*	RECOM AG	RCM-xxx-6MB	MONO-Si 250-280W
RCM-xxx-6PB-c-de-f sc-Si 240-280 RCM-xxx-6PA-SW 290 to 305 W, in step of 5 RCM-xxx-6PA-SW 310 to 340 W, in step of 5 RCM-xxx-6PA-SW 345 to 350 W, in step of 5 RCM-xxx-6PA-SW Mc-Si 250W DS72300W Mc-Si 300W DS60270W MC-Si 270W DS60260W Mc-Si 260W DS72200W Mc-Si 260W DS72225W Mc-Si 225W DS72175W Mc-Si 175W DS36150W MC-Si 150W DS36100W Mc-Si 100W DS36125W Mc-Si 125W DS3675W Mc-Si 75W			RCM-xxx-6PB	Poly-Si 240-260W
RCM-xxx-6PA-SW 290 to 305 W, in step of 5 RCM-xxx-6PA-SW 310 to 340 W, in step of 5 RCM-xxx-6PA-SW 345 to 350 W, in step of 5 * 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 DS36150W Mc-Si 150W DS36125W Mc-Si 125W DS3675W Mc-Si 75W			RCM-xxx-6PB	sc-Si 240-280W
RCM-xxx-6PA-SW 310 to 340 W, in step of 5 RCM-xxx-6PA-SW 345 to 350 W, in step of 5 * duSol DS60250W Mc-Si 250W DS72300W Mc-Si 300W DS60270W Mc-Si 270W DS60260W Mc-Si 260W DS72200W Mc-Si 200W DS72225W Mc-Si 200W DS72225W Mc-Si 175W DS36150W Mc-Si 150W DS36100W Mc-Si 150W DS36125W Mc-Si 125W DS3675W Mc-Si 75W			RCM-xxx-6PB-c-de-f	sc-Si 240-280
# 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 DS36125W Mc-Si 125W DS3675W Mc-Si 75W			RCM-xxx-6PA-SW	290 to 305 W , in step of 5
* duSol			RCM-xxx-6PA-SW	310 to 340 W, in step of 5
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			RCM-xxx-6PA-SW	345 to 350 W, in step of 5
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	*	duSol	DS60250W	Mc-Si 250W
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			DS72300W	Mc-Si 300W
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			DS60270W	MC-Si 270W
DS72225W Mc-Si 225W DS72175W Mc-Si 175W DS36150W MC-Si 150W DS36100W Mc-Si 100W DS36125W Mc-Si 125W DS3675W Mc-Si 75W			DS60260W	Mc-Si 260W
DS72175W Mc-Si 175W DS36150W MC-Si 150W DS36100W Mc-Si 100W DS36125W Mc-Si 125W DS3675W Mc-Si 75W			DS72200W	Mc-Si 200W
DS36150W MC-Si 150W DS36100W Mc-Si 100W DS36125W Mc-Si 125W DS3675W Mc-Si 75W			DS72225W	Mc-Si 225W
DS36100W Mc-Si 100W DS36125W Mc-Si 125W DS3675W Mc-Si 75W			DS72175W	Mc-Si 175W
DS36125W			DS36150W	MC-Si 150W
DS3675W Mc-Si 75W			DS36100W	Mc-Si 100W
			DS36125W	Mc-Si 125W
DS3660W MC-Si 60W			DS3675W	Mc-Si 75W
			DS3660W	MC-Si 60W



	PV MODULES	
Manufacturer Name	Product ID	Description
	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
	EN156M-60-XXX	SC-Si,215W-280W (in step of 5)
	EN156M-72-XXX	SC-Si,260W-340W (in step of 5)
	EN156P-60-XXX	MC-Si,210W-280W (in step of 5)
	EN156P-72-XXX	MC-Si,255W-340W (in step of 5)
	EN156-P-72-300	Poly crystaline 300W
* Eging Photovoltaic Technology	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



	PV MODULES	
Manufacturer Name	Product ID	Description
	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
	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 Tech	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



PV MODULES		
Manufacturer Name	Product ID	Description
	7NAE001-06Axxx	sc-Si 220-300W
	7NAE001-06Cxxx	sc-Si 245-360W
* 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	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)	HSL72P6-PC-1-XXX	mc-Si 250-270 W, in steps of 5
	HSL60P6-PC-1-XXX	mc-Si 290-310 W, in steps of 5
* Hangzhou Sunny Energy	ZDNY-xxxC54	sc-Si 190-250W, in steps of 5



	PV MODULES	
Manufacturer Name	Product ID	Description
	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 - 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



	PV MODULES	
Manufacturer Name	Product ID	Description
	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



	PV MODULES	
Manufacturer Name	Product ID	Description
* HENGDIAN GROUP, DMEGC	DMxxx-M156-72	sc-Si (xxx=320 to 360 in step of 5)
	DMxxx-M156-60	sc-Si (xxx=270 to 300 in step of 5)
	DMxxx-P156-72	mc-Si (xxx=310 to 350 in step of 5)
	DMxxx-P156-60	mc-Si (xxx=250 to 290 in step of 5)
* Hanwha Q.CELLS GmbH	Q.PRIME L-G5	sc-Si 335 - 345 (in step of 5 Wp)
	Q.PRIME-G5	sc-Si 280 - 290 (in step of 5)
	Q.POWER-G5	mc-Si 265 - 275 (in step of 5)
	Q.PEAK G4 (60 C)	Sc-Si, 300-310 (in step of 5)
	Q.PEAK L_G4 (72 C)	Sc-Si, 345-360 (in step of 5)
	Q.PLUS G4 (60 C)	mc-Si, 270-280 (in step of 5)
	Q.PLUS L_G4 (72 C)	mc-Si, 330-340 (in step of 5)
	Q.PEAK G4 (60 C)	Sc-Si, 300-310 (in step of 5)
	Q.PEAK L_G4 (72 C)	Sc-Si, 345-360 (in step of 5)
	Q.PLUS G4 (60 C)	mc-Si, 270-280 (in step of 5)
	Q.PEAK G4 (60 C)	sc-Si, 300-310wp (in step of 5wp)
	Q.PEAK L_G4 (72 C)	sc-Si, 345-360wp (in step of 5wp)
	Q.PLUS G4 (60 C)	mc-si, 270-280wp (in step of 5wp)
	Q.PLUS L_G4 (72 C)	mc-si, 330-340wp (in step of 5wp)
	Q.PLUS L_G4 (72 C)	mc-Si, 330-340 (in step of 5)
	Q.Power LG-5	mc-Si 315-330W, in step of 5



	PV MODULES	
Manufacturer Name	Product ID	Description
	Q.PEAK L-G5	sc-Si, 355-370 Wp, in step of 5
	Q.PEAK-G5.0.G	sc-Si, 295-310 Wp, 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) Mc-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) Mc-Si
	JAP6(K) 60/72 4BB	(xxx=255-275/305-325) Mc-Si
	JAP6(K)(DG) 60/72 4BB	(xxx=255-275/310-325) Mc-Si
	JAM6(K)(DG) 60/72 4BB	(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	(xxx=270-295/330-350) Mono crystalline
	JAM60S01- xxx/SC	(xxx=265-280) Mono crystalline
	JAM60S01- xxx/PR	(xxx=285-300) Mono crystalline



	PV MODULES	
Manufacturer Name	Product ID	Description
	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
* JAKSON Engineers Limited	JP-AXB (A=24)	B = 270-330 Multi c-Si
	JP-AXB (A=24)	B = 240-280 Multi c-Si
	JP-AXB (A=24)	B = 200-230 Multi c-Si
	JP-AXB (A=24)	B = 175-200 Multi c-Si
	JP-AXB (A=24)	B = 150-175 Multi c-Si
	JP-AXB (A=24)	B = 120-140 Multi c-Si
	JP-AXB (A=24)	B = 100-115 Multi c-Si
	JP-AXB (A=24)	B = 220-290 Multi c-Si
	JP-AXB (A=24)	B = 200-235 Multi c-Si
	JP-AXB (A=24)	B = 165-190 Multi c-Si
	JP-AXB (A=24)	B = 145-170 Multi c-Si
	JP-AXB (A=24)	B = 125-140 Multi c-Si
	JP-AXB (A=24)	B = 100-120 Multi c-Si
	JP-AXB (A=12)	B = 270-330 Multi c-Si



	PV MODULES	
Manufacturer Name	Product ID	Description
	JP-AXB (A=12)	B = 240-280 Multi c-Si
	JP-AXB (A=12)	B = 200-230 Multi c-Si
	JP-AXB (A=12)	B = 175-200 Multi c-Si
	JP-AXB (A=12)	B = 150-175 Multi c-Si
	JP-AXB (A=12)	B = 120-140 Multi c-Si
	JP-AXB (A=12)	B = 100-115 Multi c-Si
	JP-AXB (A=12)	B = 200-260 Multi c-Si
	JP-AXB (A=12)	B = 180-215 Multi c-Si
	JP-AXB (A=12)	B = 130-175 Multi c-Si
	JP-AXB (A=12)	B = 120-140 Multi c-Si
	JP-AXB (A=12)	B = 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



	PV MODULES	
Manufacturer Name	Product ID	Description
	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
	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
	JKMxxxM-60	mono-crystalline 265-285, in step of 5 W
	JKMxxxM-72	mono-crystalline 325-345, in step of 5 W
	JKMxxxM-60	mono-crystalline 290-310, in step of 5 W
	JKMxxxM-72	mono-crystalline 340-360, in step of 5 W

	PV MODULES	
Manufacturer Name	Product ID	Description
	JKMxxxPP-60	poly-crystalline 260-280, in step of 5 W
	JKMxxxPP-72	poly-crystalline 315-335, in step of 5 W
	JKMSxxxPP-72	250-340, in steps of 5 6'poly
* Jiangsu Aiduo Photovoltaic Tech	ADXXX-36P	mc-Si, XXX=130-150W, in step of 5
	ADXXX-36S	sc-Si, XXX=135-155W, in step of 5
	ADXXX-48P	mc-Si, XXX=175-225W, in step of 5
	ADXXX-48S	sc-Si, XXX=180-205W, in step of 5
	ADXXX-54P	mc-Si, XXX=200-225W, in step of 5
	ADXXX-54S	sc-Si, XXX=210-235W, in step of 5
	ADXXX-60P	mc-Si, XXX=255-265W, in step of 5
	ADXXX-60S	sc-Si, XXX=230-260W, in step of 5
	ADXXX-72M	sc-Si, XXX=175-205W, in step of 5
	ADXXX-72P	mc-Si, XXX=270-320W, in step of 5
	ADXXX-72S	sc-Si, XXX=280-320W, in step of 5
	ADXXX-72M	sc-Si, XXX=175-205W, in step of 5
	ADXXX-36S	sc-Si, XXX=135-175W, in step of 5
	ADXXX-48S	sc-Si, XXX=180-235W, in step of 5
	ADXXX-54S	sc-Si, XXX=210-265W, in step of 5
	ADXXX-60S	sc-Si, XXX=230-295W, in step of 5
	ADXXX-72S	sc-Si, XXX=280-355W, in step of 5



	PV MODULES	
Manufacturer Name	Product ID	Description
	ADXXX-36P	mc-Si, XXX=130-170W, in step of 5
	ADXXX-40P	mc-Si, XXX=160-185W, in step of 5
	ADXXX-48P	mc-Si, XXX=175-225W, in step of 5
	ADXXX-54P	mc-Si, XXX=200-255W, in step of 5
	ADXXX-72P	mc-Si, XXX=270-340W, in step of 5
	ADXXX-60P	mc-Si, XXX=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 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



	PV MODULES	
Manufacturer Name	Product ID	Description
	JTS xxx	mc-si 315W
	JTS xxx	mc-si 320W
* Jolywood (taizhou) Solar Tech	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
* KOSOL HIRAMRUT ENERGIES	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



PV MODULES		
Manufacturer Name	Product ID	Description
	KE270	270Wp
	KE275	275Wp
	KE280	280Wp
	KE315	315Wp
	KE320	320Wp
	KE325	325Wp
* LG Electronics	LG275S1C-B3	sc-Si 275 W/0 - +3%
	LG280S1C-B3	sc-Si 280 W/0 - +3%
	LG300N1C-B3	sc-Si 300 W/0 - +3%
	LG305N1C-B3	sc-Si 305 W/0 - +3%
	LG300N1C-G4	sc-Si 300W/0 - +3%
	LG280S1C-L4	sc-Si 280 W/0 - +3%
	LG285S1C-L4	sc-Si 285 W/0 - +3%
	LG290S1C-L4	sc-Si 290 W/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%
	LG320N1C-G4	sc-Si 320W/0 - +3%
	LGxxxN1C-A5	Sc-Si 335W, 330W,325W



	PV MODULES	
Manufacturer Name	Product ID	Description
	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
	LGxxxQ1C-A5	sc-Si 350-370, in step of 5
* LARRI Solar Technology	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
* Longi Green Energy Technology	LR6-60-xxxM	mc-Si, 270-300 (in step of 5)
	LR6-72-xxxM	mc-Si, 320-350 (in step of 5)
	LR6-60PE-xxxM	mc-Si, 280-310 (in step of 5)
	LR6-72PE-xxxM	mc-Si, 340-375 (in step of 5)
	LR6-60-xxxM	mc-Si,270W-300W
	LR6-72-xxxM	mc-Si, 320W-350W
	LR6-60PE-xxxM	mc-Si, 280W-310W
	LR-60BP-xxx	mc-Si, 290 - 305, in step of 5
	LR-72BP-xxx	mc-Si, 350-370, in step of 5



	PV MODULES	
Manufacturer Name	Product ID	Description
	LR6-72PE-xxxM	mc-Si, 340W-375W
* MAYSUN SOLAR FZCO	MSxxxM-72	sc-Si, xxx=285-340, in step of 5
	MSxxxM-60	sc-Si, xxx=240-285, in step of 5
	MSxxxM-36	sc-Si, xxx=145-170, in step of 5
	MSxxxP-72	mc-Si, xxx=285-340, in step of 5
	MSxxxP-60	mc-Si, xxx=235-280, in step of 5
	MSxxxP-36	mc-Si, 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
	D6PxxxA1A	mc-Si 125 - 145 W



	PV MODULES	
Manufacturer Name	Product ID	Description
	D6LxxxK4A	sc-Si 360 W
	D6LxxxL3A	sc-Si 290-305, in step of 5
	D6LxxxL4A	sc-Si 350-365, in step of 5
* NICE SUN PV	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
* Noor Solar Technology	NST18-6-xxxP	mc-Si xxx=70 - 80 Wp, in step of 5
	NST32-6-xxxP	mc-Si xxx=120-145 Wp, in step of 5
	NST36-6-xxxP	mc-Si xxx=135-160 Wp, in step of 5
	NST40-6-xxxP	mc-Si xxx=150-180 Wp, in step of 5
	NST48-6-xxxP	mc-Si xxx=180-220 Wp, in step of 5
	NST54-6-xxxP	mc-Si xxx=205-245 Wp, in step of 5
	NST60-6-xxxP	mc-Si xxx=225-275 Wp, in step of 5
	NST66-6-xxxP	mc-Si xxx=250-300 Wp, in step of 5
	NST72-6-xxxP	mc-Si xxx=270-330 Wp, in step of 5
	NST18-6-xxxM	sc-Si xxx=85-95 Wp, in step of 5



	PV MODULES	
Manufacturer Name	Product ID	Description
	NST32-6-xxxM	sc-Si xxx=145-175 Wp, in step of 5
	NST36-6-xxxM	sc-Si xxx=165-195 Wp, in step of 5
	NST40-6-xxxM	sc-Si xxx=180-220 Wp, in step of 5
	NST48-6-xxxM	sc-Si xxx=220-260 Wp, in step of 5
	NST54-6-xxxM	sc-Si xxx=245-295 Wp, in step of 5
	NST60-6-xxxM	sc-Si xxx=270-330 Wp, in step 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
* ONYX SOLAR ENERGY	434 BA-10000500-20-1	a-Si 16W (+/-10%)
	X3X-BN-12451849-00-1	X= 4/5/6, a-Si 136.53 Wp
	X3X-BN-12451849-10-1	X= 4/5/6, a-Si 99.36 Wp
	X3X-BN-12451849-20-1	X= 4/5/6, a-Si 78.84 Wp
	X3X-BN-12451849-30-1	X= 4/5/6, a-Si 60.71 Wp
	X3X-BN-12452456-00-1	X= 4/5/6, a-Si 182.04 Wp
	X3X-BN-12452456-10-1	X= 4/5/6, a-Si 132.48 Wp
	X3X-BN-12452456-20-1	X= 4/5/6, a-Si 105.12 Wp
	X3X-BN-12452456-30-1	X= 4/5/6, a-Si 80.94 Wp



	PV MODULES	
Manufacturer Name	Product ID	Description
	X3X-BN-12450635-00-1	X= 4/5/6, a-Si 45.51 Wp
	X3X-BN-12450635-10-1	X= 4/5/6, a-Si 33.12 Wp
	X3X-BN-12450635-20-1	X= 4/5/6, a-Si 26.28 Wp
	X3X-BN-12450635-30-1	X= 4/5/6, a-Si 20.24 Wp
	X3X-BN-12451242-00-1	X= 4/5/6, a-Si 91.02 Wp
	X3X-BN-12451242-10-1	X= 4/5/6, a-SI 66.24 Wp
	X3X-BN-12451242-20-1	X= 4/5/6, a-Si 52.56 Wp
	X3X-BN-12451242-30-1	X= 4/5/6, a-Si 40.47 Wp
	636-BN-06000600-00-1	a-Si 20.06 Wp
	636-BN-24620635-10-1	a-Si 63.0 Wp
	ONYX G/G M/P	sc-Si/mc-Si, 140 - 650 Wp, 36 - 168 cells
* 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)



	PV MODULES	
Manufacturer Name	Product ID	Description
	AE7PXXXVB5B	mc-si,320W-325 w (in step of 5)
	VBHN325SJ47	HIT Cell Technology 325W
* Perlight Solar	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
* 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



	PV MODULES	
Manufacturer Name	Product ID	Description
	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	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	mc-Si, 265 W
	REC270TP	mc-Si, 270 W
	REC275TP	mc-Si, 275 W
	REC280TP	mc-Si, 280 W
	REC xxx PE 72	mc-Si, 295 - 315 W, in steps of 5
	REC 260 PE	mc-Si, 260 W
	RECxxxPE 72	mc-Si, 300 - 320 Wp
	RECxxxPE	mc-Si, 245 - 270 Wp
	RECxxxPE BLK	mc-Si, 245 - 270 Wp
	RECxxxPE2S 72	mc-Si, 320 - 330 Wp
	RECxxxPE2S 72 XV	mc-Si, 320 - 330 Wp
	RECxxxTP 72	mc-Si, 330 - 350 Wp



	PV MODULES	
Manufacturer Name	Product ID	Description
	RECxxxTP 72 XV	mc-Si, 330 - 350 Wp
	RECxxxTP	mc-Si, 265 - 285 Wp
	RECxxxTP BLK	mc-Si, 265 - 285 Wp
	RECxxxTP2	mc-Si, 280 - 295 Wp
	RECxxxTP2 BLK	mc-Si, 280 - 295 Wp
	RECxxxTP2S 72	mc-Si, 330 - 350 Wp
	RECxxxTP2S 72 XV	mc-Si, 330 - 350 Wp
	RECxxxTP2S72	mc-Si 330-355 Wp, in step of 5 Wp
	RECxxxTP2S72 XV	mc-Si 330-355 Wp, in step of 5 Wp
* Renesola Jiangsu	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
* Resun Solar Energy	RS5MxxxM	sc-Si,235-280, in step of 5
	RS5AxxxM	sc-Si,175-210, in step of 5
	RS5GxxxM	sc-Si,90-105, in step of 5
	RS6SxxxM	sc-Si,300-325, in step of 5
	RS6CxxxM	sc-Si,250-270, in step of 5
	RS6DxxxM	sc-Si,205-245, in step of 5
	RS6FxxxM	sc-Si,180-215, in step of 5



	PV MODULES	
Manufacturer Name	Product ID	Description
	RS6SxxxP	mc-si,295-330, in step of 5
	RS6CxxxP	mc-si,240-275, in step of 5
	RS6DxxxP	mc-si, 205-245, in step of 5
	RS6FxxxP	mc-si,180-220, in step of 5
	RS6ExxxP	mc-si,140-165, in step of 5
RISEN Energy	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%)
	RSM72-6-XXXP	mc-Si 320-340W, in steps of 5 (+3%)
	RSM60-6-XXXPDG	mc-Si 255-265W, in steps of 5 (+3%)
* 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



	PV MODULES	
Manufacturer Name	Product ID	Description
* Solvis d.o.o.	SV60-xxxE	sc-Si, 290-405, in step of 5
	SV60-xxx	mc-Si, 270-290, in step of 5
	SV72-xxxE	sc-Si, 345-365, in step of 5
	SV72-xxx	mc-Si, 320-340, in step of 5
* Sunovation	eFORM Arc GG-260-C	sc-Si 215.8 Wp
	eFORM Arc GG-125-C	sc-Si 107.9 Wp
	eFORM Arc GG-160-C	sc-Si 134.9 Wp
	eFORM Arc GG-130-C	sc-Si 107.9 Wp
	eFORM Color GG-195-F	sc-Si 161.8 Wp
	eFORM Color GG-95-F	sc-Si 80.9 Wp
	eFORM Color GG-120-F	sc-Si 100.1 Wp
	eFORM Color GG-100-F	sc-Si 80.9 Wp
	eFORM Color GG-160-F	sc-Si 134.9 Wp
	eFORM Color GG-190-F	sc-Si 161.8 Wp
* SERAPHIM SOLAR SYSTEM	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 PV Hi-tech	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



	PV MODULES	
Manufacturer Name	Product ID	Description
* Shanghai Aerospace Automobile	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	sc-Si (XXX=330-345, 355-360, steps of 5)
	HT60-156M-XXX	sc-Si(XXX=270-310, in steps of 5)
* Sharp Electronics	NU-RJ XXX	sc-Si 280 - 285W (in steps of 5W)
	ND-RJ XXX	mc-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
	ND-RBxxx	Poly crystalline 245-290 (in steps of 5W
	NU-SCxxx	sc-Si, 335-375 (in steps of 5W)
	NQ-RxxxA	256- 260W (in steps of 2W)
	ND-Ahxxx	mono crystalline 285-340 W, in steps of
	ND-RKxxx	poly crystalline 235-285W , in steps of 5
	NU-AHxxx	poly crystalline, 285-345W, in steps of S
* SolarWorld AG	Sunmodule Plus SW XXX	mc-Si, 260 W
	Sunmodule Plus SW XXX	sc-Si, 270, 290, 295W
	Sunmodule SW XXX XL	sc-Si, 340, 345W
	Sunmodule Protect SW	sc-Si, 280 Watt peak 0 / + 5 Wp
	Sunmodule Plus SW 260	mc-Si, 260 Watt peak 0/+ 5 Wp



	PV MODULES	
Manufacturer Name	Product ID	Description
	Sunmodule Plus SW 265	mc-Si, 265 Watt peak 0/+ 5 Wp
	Sunmodule Plus SW 285	sc-Si, 285 Watt peak 0 / + 5 Wp
	Sunmodule Plus SW 285	sc-Si, 285 Watt peak 0 / + 5 Wp
	Sunmodule Plus SW 290	sc-Si, 290 Watt peak 0 / + 5 Wp
	Sunmodule Plus SW 300	sc-Si, 300 Watt peak 0 / + 5 Wp
	Sunmodule SW 325 XL	sc-Si, 325 Watt peak 0 / + 5 Wp
	Sunmodule SW 335 XL	sc-Si, 335 Watt peak 0 / + 5 Wp
	Sunmodule SW 340 XL	sc-Si, 340 Watt peak 0 / + 5 Wp
	Sunmodule SW 345 XL	sc-Si, 345 Watt peak 0 / + 5 Wp
	Sunmodule SW 350 XL	sc-Si, 350 Watt peak 0 / + 5 Wp
	Sunmodule Bisun SW 280	duo, sc-Si, 280 Watt peak 0 / + 5 Wp
	Sunmodule Bisun SW 325	duo, sc-Si, 325 Watt peak 0 / + 5 Wp
* SOLARWATT GmbH	Vision 60P	mc-Si (275-285 Wp, in step of 5)
	Vision 60P style	mc-Si (265 Wp , 270 Wp)
	Vision 60M style	sc-Si (280-295 Wp), in step of 5
	Vision 60M high power	sc-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



Nanufacturer Name		PV MODULES	
* 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 280/12 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 sc-Si, 327- 450W SPR-X21-345-COM sc-Si, 327- 450W	Manufacturer Name	Product ID	Description
Solon Blue/black 230/07 sc-Si, mc-Si 225-275 WP		JKMXXXM-72	sc-Si 300-320W, in steps of 5
Solon Black 230/02 sc-Si, mc-Si 225-275 WP	* Solon International LL FZE	Solon Blue/Black 220/16	sc-Si, mc-Si 225 - 275 WP
Solon Blue 270/11 sc-Si, mc-Si 300-330 WP		Solon Blue/black 230/07	sc-Si, mc-Si 225-275 WP
Solon Blue 270/12 sc-Si, mc-Si 300-330 WP		Solon Black 230/02	sc-Si, mc-Si 225-275 WP
Solon Blue 270/17 sc-Si, mc-Si 300-330 WP		Solon Blue 270/11	sc-Si, mc-Si 300-330 WP
Solon Black 280/11 sc-Si, mc-Si 300-330 WP		Solon Blue 270/12	sc-Si, mc-Si 300-330 WP
Solon Black 280/12 sc-Si, mc-Si 300-330 WP		Solon Blue 270/17	sc-Si, mc-Si 300-330 WP
* Stion STO-XXXA CIGS 120-160W, in steps of 5 - +2% * SunPower SPR-X20-327-COM sc-Si, 327- 450W * SPR-X21-345-COM sc-Si, 327- 450W		Solon Black 280/11	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 sc-Si, 327- 450W SPR-X21-345-COM sc-Si, 327- 450W		Solon Black 280/12	sc-Si, mc-Si 300-330 WP
* SunPower SPR-X20-327-COM sc-Si, 327- 450W SPR-X21-345-COM sc-Si, 327- 450W		Solon Black 280/17	sc-Si, mc-Si 300-330 WP
* SunPower SPR-X20-327-COM sc-Si, 327- 450W SPR-X21-345-COM sc-Si, 327- 450W	* Stion	STO-XXXA	CIGS 120-160W, in steps of 5 - +2%
SPR-X21-345-COM sc-Si, 327- 450W		STL-XXXA	CIGS 120-160W, in steps of 5 - +2%
	* SunPower	SPR-X20-327-COM	sc-Si, 327- 450W
SPR-E20-435 COM sc-Si, 327- 450W		SPR-X21-345-COM	sc-Si, 327- 450W
		SPR-E20-435 COM	sc-Si, 327- 450W
SPR-E20-435 sc-Si, 327- 450W		SPR-E20-435	sc-Si, 327- 450W
SPR-E20-327 COM sc-Si, 327- 450W		SPR-E20-327 COM	sc-Si, 327- 450W
SPR-P17-3xx COM mc-si (xxx=315-85 in steps of 1, 498 cells)		SPR-P17-3xx COM	mc-si (xxx=315-85 in steps of 1, 498 cells)
SPR-E20-327 sc-Si, 327- 450W		SPR-E20-327	sc-Si, 327- 450W
SPR-P19-xxx-COM sc-Si,, 380-405, in step of 1		SPR-P19-xxx-COM	sc-Si,, 380-405, in step of 1



	PV MODULES	
Manufacturer Name	Product ID	Description
	PVC385 MP	sc-Si, 385 W
	PVC390 MP	sc-Si, 390W
	PVC395 MP	sc-Si, 395W
	PVC400 MP	sc-Si, 400W
	PVC405 MP	sc-Si, 405W
	E20-xxx	sc-Si, (410-440, in step of 1W)
* 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
* Suzhou Akcome Optronics	SK6612M-xxx	sc-Si, 340W-375W in steps of 5
	SK6610M-xxx	sc-Si, 280W-315W in steps of 5
	SK6612P-xxx	sc-Si ,320W-350W in steps of 5
	SK6610P-xxx	mc-Si ,265W-290W in steps of 5



	PV MODULES	
Manufacturer Name	Product ID	Description
* SOLARONE Company	S1M290	Mono-Si 290W
	S1M300	Mono-Si 300W
* 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
	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



	PV MODULES	
Manufacturer Name	Product ID	Description
	TC XXX	295-320 W in steps of 5, 72 cells
* Trina Solar	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, 265-275W, 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-xxxPD14	mc-Si 325-345, in step of 5
	TSM-DEG14(II)	mc-Si, 325-375W, in step of 5
	TSM-xxxDEG14C.07 (II)	mc-Si 345-365 Wp, in step of 5
	TSM-xxxDEG5C.07 (II)	mc-Si 290-310 Wp, 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	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



	PV MODULES	
Manufacturer Name	Product ID	Description
	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	VSP.36.AAA.03	ELDORA, sc-Si 137-168 Wp
	VSP.72.AAA.03	ELDORA, sc-Si 275-335 Wp
	VSPB.60.AAA.03	ELDORA, sc-Si 228wp-279wp
	VSPB.72.AAA.03	ELDORA, sc-Si 275Wp-335wp
	VSPBB.60.AAA.03	ELDORA, sc-Si 228wp-279wp
	VSP.60.AAA.03	ELDORA, sc-si 240-270W
	VSP.72.AAA.03.04	ELDORA, mc-Si AAA=285-350Wp
	VSM.72.AAA.03.04	SOMERA, sc-Si AAA=310-380WP
* WAAREE Energies	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	STPxxx-20/Wem	mc-si 210-290 Wp
	STPxxx-24/Vem	mc-si 220-350 Wp
	STPxxxS-20/Wem	sc-si 210-310 Wp
	STPxxxS-24/Vem	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
* Worldwide Energy (Amerisolar)	AS-6M-xxxW	sc-Si 270-330, in increment of 5



Manufacturer Name Product ID AS-6M30-xxxW AS-6M27-xxxW AS-6M18-xxxW AS-5M-xxxW AS-5M-xxxW AS-6P-xxxW AS-6P-xxxW AS-6P30-xxxW AS-6P18-xxxW AS-6P30	Description sc-Si 225-275, in increment of 5 sc-Si 205-245, in increment of 5
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-6M18-xxxW AS-5M-xxxW AS-5M18-xxxW AS-6P-xxxW AS-6P30-xxxW AS-6P27-xxxW AS-6P18-xxxW	sc-Si 205-245, in increment of 5
AS-5M-xxxW AS-5M18-xxxW AS-6P-xxxW AS-6P30-xxxW AS-6P27-xxxW AS-6P18-xxxW	
AS-5M18-xxxW AS-6P-xxxW AS-6P30-xxxW AS-6P27-xxxW	sc-Si 135-165, in increment of 5
AS-6P-xxxW AS-6P30-xxxW AS-6P27-xxxW AS-6P18-xxxW	sc-Si 175-210, in increment of 5
AS-6P30-xxxW AS-6P27-xxxW AS-6P18-xxxW	sc-Si 90-105, in increment of 5
AS-6P27-xxxW AS-6P18-xxxW	mc-Si 270-330, in increment of 5
AS-6P18-xxxW	mc-Si 225-275, in increment of 5
	mc-Si 205-245, in increment of 5
AS-6P30	mc-Si 135-165, in increment of 5
	mc-Si (265,270)
AS-6P	mc-Si (320,330)
* Yingli Solar YLxxxP-29b	multi 240-260kW in steps of 5
YLxxxP-35b	multi 290-310kW in steps of 5
* Zhejiang Trunsun Solar TSPxxx -72	mc-Si 315-345 W, in Steps of 5
TSPxxx -60	mc-Si 255-285 W, in Steps of 5
* Zhejiang Xiongtai PV Technology 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	



	PV MODULES	
Manufacturer Name	Product ID	Description
	XTP6-36-XXX	mc-si 240-260 W, in steps of 5
	XTP6-48-XXX	mc-si 240-260 W, in steps of 5
	<i>XTP6-54-XXX</i>	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	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
* ZNSHINE PV-TECH	ZXM6-72-xxx/M	sc-Si, xxx=270-320W, in steps of 5
	ZXM6-60-xxx/M	sc-Si, xxx=230-270W, in steps of 5
	ZXM6-54-xxx/M	sc-Si, xxx=200-240W, in steps of 5
	ZXP6-72-xxx/P	mc-Si, xxx=265-320W, in steps of 5
	ZXP6-72-330/P	mc-Si, 330W
	ZXP6-60-xxx/P	mc-Si, xxx=220-265W, in steps of 5
	ZXP6-54-xxx/P	mc-Si, xxx=200-235W, in steps of 5



PV INVERTERS		
Manufacturer Name	Product ID	Description & Usage Category
ABB	PVI-3.0-TL-OUTD(-S)	3kW (excluding Industrial Environment)
	PVI-3.6-TL-OUTD(-S)	3.6kW (excluding Industrial Environment)
	PVI-4.2-TL-OUTD(-S)	4.2kW (excluding Industrial Environment)
	PVI-5000-TL-OUTD(-S)	5kW (excluding Industrial Environment)
	PVI-6000-TL-OUTD(-S)	6kW (excluding Industrial Environment)
	PVI-10.0-TL-OUTD(-S)(-FS)	10 kW (excluding Industrial Environment)
	PVI-12.5-TL-OUTD(-S)(-FS)	12.5 kW (excluding Industrial Environment
	TRIO - 5.8 - TL - OUTD	5.8 kW (excluding Industrial Environment)
	TRIO - 7.5 - TL - OUTD	7.5 kW (excluding Industrial Environment)
	TRIO - 8.5 - TL - OUTD	8.5 kW (excluding Industrial Environment)
	TRIO - 20.0 - TL - OUTD	20 kW (excluding Industrial Environment)
	TRIO - 27.6 - TL - OUTD	27.6 kW (excluding Industrial Environment
	TRIO-50.0-TL-OUTD	50 kW (All)
	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)
	TRIO-TM-60.0-480	60kW (All)
	ULTRA -1400.0 TL -OUTD	1400 kW (Industrial Environment)
	PVS-100/120-TL	100kW/120kW (Industrial Environment)
	PVS-100-TL	100 kW (All)



	PV INVERTER	S
Manufacturer Name	Product ID	Description & Usage Category
	PVS-120-TL	120 kW (All)
	UNO-DM-xxx-TL-PLUS	1.2/2.0/3.3/4.0/4.6/5.0 KW (All)
Fronius International	Primo 3.0 -1	3.0kW (All)
	Primo 3.5 -1	3.5kW (All)
	Primo 3.6 -1	3.6kW (All)
	Primo 4.0 -1	4kW (All)
	Primo 4.6 -1	4.6kW (All)
	Primo 5.0-1	5kW (All)
	Primo 6.0-1	6kW (All)
	Primo 8.2-1	8.2kW (All)
	Fronius Symo 3.0-3-M	3 kW (All)
	Fronius Symo 3.7-3-M	3.7 kW (All)
	Fronius Symo 4.5-3-M	4.5 kW (All)
	Fronius Symo 5.0-3-M	5 kW (All)
	Fronius Symo 6.0-3-M	6 kW (All)
	Fronius Symo 7.0-3-M	7 kW (All)
	Fronius Symo 8.2-3-M	8.2 kW (All)
	Fronius Symo 10.0-3-M	10kW (All)
	Fronius Symo 12.5-3-M	12.5kW (All)
	Fronius Symo 15.0-3-M	15kW (All)



PV INVERTERS	
Product ID	Description & Usage Category
Fronius Symo 17.5-3-M	17.5kW (All)
Fronius Symo 20.0-3-M	20kW (All)
Fronius Eco 25.0-3-S	25kW (All)
Fronius Eco 27.0-3-S	27kW (All)
GW5048D-ES	5 kW (All)
GW10KN-DT	10 kW (All)
GW20K-DT	20 kW (All)
GW25K-DT	25 kW (All)
GW50K-MT	50 kW (Industrial Environment)
GW60K-MT	60 kW (Industrial Environment)
SUN2000-8KTL	8 kW (All)
SUN2000-12KTL	12 kW (All)
SUN2000-17KTL	17 kW (All)
SUN2000-20KTL	20 kW (All)
SUN2000-36KTL	36 kW (All)
SUN2000-42KTL	42 kW (All)
SUN 2000 – 55KTL	55 KW (All)
SUN2000-50KTL-M0	50 kW (All)
SUN 2000 -60KTL- M0	60 kW (All)
SUN2000-65KTL-M0	65 kW (Industrial Environment)
	Product ID Fronius Symo 17.5-3-M Fronius Symo 20.0-3-M Fronius Eco 25.0-3-S Fronius Eco 27.0-3-S GW5048D-ES GW10KN-DT GW20K-DT GW50K-MT GW60K-MT SUN2000-8KTL SUN2000-12KTL SUN2000-17KTL SUN2000-20KTL SUN2000-36KTL SUN2000-42KTL SUN 2000 - 55KTL SUN 2000 - 60KTL- M0 SUN 2000 - 60KTL- M0



	PV INVERTERS	
Manufacturer Name	Product ID	Description & Usage Category
* Ingeteam	INGECON SUN 2.5 TL M	2.5 kW (All)
	INGECON SUN 2.7 TL M	2.7 kW (All)
	INGECON SUN 3 TL M	3 kW (All)
	INGECON SUN 3.3 TL M	3.3 kW (All)
	INGECON SUN 3.68 TL M	3.68 kW (All)
	INGECON SUN 4.6 TL M	4.68 kW (All)
	INGECON SUN 5 TL M	5 kW (All)
	INGECON SUN 5.5 TL M	5.5 kW (All)
	INGECON SUN 6 TL M	6 kW (All)
	INGECON SUN 10 TL M	10 kW
	INGECON SUN 12.5 TL M	12.5 kW
	INGECON SUN 15 TL M	15 kW (All)
	INGECON SUN 20 TL M	20 kW (All)
	INGECON SUN 10 TL	10 kW (All)
	INGECON SUN 12.5 TL	12.5 kW (All)
	INGECON SUN 15 TL	15 kW (All)
	INGECON SUN 20 TL	20 kW (All)
	INGECON SUN 3 PLAY 10 TL	10 kW (All)
	INGECON SUN 3 PLAY 12.5 TL	12.5 kW (All)
	INGECON SUN 3 PLAY 15 TL	15 kW (All)



	PV INVERTERS	
Manufacturer Name	Product ID	Description & Usage Category
	INGECON SUN 3 PLAY 20 TL	20 kW (All)
	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)
	INGECON SUN 3 PLAY 12.5 TLM	12.5 kW (All)
	INGECON SUN 3 PLAY 15 TLM	15 kW (All)
	INGECON SUN 3 PLAY 20 TLM	20 kW (All)
	INGECON SUN 3 PLAY 24 TLM	24 kW
	INGECON SUN 3 PLAY 28 TLM	28 kW (All)
	INGECON SUN 3 PLAY 33 TLM	33 kW (All)
	INGECON SUN 3 PLAY 40 TLM	40 kW (All)
	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



	PV INVERTERS	
Manufacturer Name	Product ID	Description & Usage Category
	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	554.3kW
	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



PV INVERTERS		
Manufacturer Name	Product ID	Description & Usage Category
	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)



	PV INVERTERS	
Manufacturer Name	Product ID	Description & Usage Category
	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 1170TL B450	1170W (All)
	INGECON SUN 1195TL B460	1195W (All)
	INGECON SUN 1220TL B470	1220W (All)
	INGECON SUN 1247TL B480	1247W (All)
	INGECON SUN 1273TL B490	1273W (All)
	INGECON SUN 1300TL B500	1300W (All)
	INGECON SUN 1325TL B510	1325W (All)



PV INVERTERS		
Manufacturer Name	Product ID	Description & Usage Category
	INGECON SUN 1350TL B520	1350W (All)
	INGECON SUN 1376TL B530	1376W (All)
	INGECON SUN 1400TL B540	1400W (All)
	INGECON SUN 1430TL B550	1430W (All)
	INGECON SUN 1455TL B560	1455W (All)
	INGECON SUN 1480TL B570	1480W (All)
	INGECON SUN 1500TL B578	1500W (All)
	INGECON SUN 1532TL B590	1532W (All)
	INGECON SUN 1560TL B600	1560W (All)
	INGECON SUN 1600TL B615	1600W (All)
	INGECON SUN 1640TL B630	1640W (All)
	INGECON SUN 830TL B300	STORAGE - 830W (All)
	INGECON SUN 860TL B310	STORAGE - 860W (All)
	INGECON SUN 890TL B320	STORAGE - 890W (All)
	INGECON SUN 915TL B330	STORAGE - 915W (All)
	INGECON SUN 940TL B340	STORAGE - 940W (All)
	INGECON SUN 970TL B350	STORAGE - 970W (All)
	INGECON SUN 1000TL B360	STORAGE - 1000W (All)
	INGECON SUN 1025TL B370	STORAGE - 1025W (All)
	INGECON SUN 1050TL B380	STORAGE - 1050W (All)



PV INVERTERS			
Manufacturer Name	Product ID	Description & Usage Category	
	INGECON SUN 1070TL B385	STORAGE - 1070W (All)	
	INGECON SUN 1080TL B390	STORAGE - 1080W (All)	
	INGECON SUN 1110TL B400	STORAGE - 1110W (All)	
	INGECON SUN 1140TL B410	STORAGE - 1140W (All)	
	INGECON SUN 1165TL B420	STORAGE - 1165W (All)	
	INGECON SUN 1170TL B450	STORAGE - 1170W (All)	
	INGECON SUN 1195TL B460	STORAGE - 1195W (All)	
	INGECON SUN 1220TL B470	STORAGE - 1220W (All)	
	INGECON SUN 1247TL B480	STORAGE - 1247W (All)	
	INGECON SUN 1273TL B490	STORAGE - 1273W (All)	
	INGECON SUN 1300TL B500	STORAGE - 1300W (All)	
	INGECON SUN 1325TL B510	STORAGE - 1325W (All)	
	INGECON SUN 1350TL B520	STORAGE - 1350W (All)	
	INGECON SUN 1376TL B530	STORAGE - 1376W (All)	
	INGECON SUN 1400TL B540	STORAGE - 1400W (All)	
	INGECON SUN 1430TL B550	STORAGE - 1430W (All)	
	INGECON SUN 1455TL B560	STORAGE - 1455W (All)	
	INGECON SUN 1480TL B570	STORAGE - 1480W (All)	
	INGECON SUN 1500TL B578	STORAGE - 1500W (All)	
	INGECON SUN 1532TL B590	STORAGE - 1532W (All)	



	PV INVERTERS	•
Manufacturer Name	Product ID	Description & Usage Category
	INGECON SUN 1560TL B600	STORAGE - 1560W (All)
	INGECON SUN 1600TL B615	STORAGE - 1600W (All)
	INGECON SUN 1640TL B630	STORAGE - 1640W (All)
	INGECON SUN 720TL B260	720W (Industrial Environment)
	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 720TL B260	STORAGE - 720W (Industrial Environment)
	INGECON SUN 748TL B270	STORAGE - 748W (Industrial Environment)
	INGECON SUN 1190TL B430	STORAGE - 1190W (Industrial Environment)



PV INVERTERS		
Manufacturer Name	Product ID	Description & Usage Category
	INGECON SUN 1220TL B440	STORAGE - 1220W (Industrial Environment)
	INGECON SUN 1250TL B450	STORAGE - 1250W (Industrial Environment)
	INGECON SUN 1275TL B460	STORAGE - 1275W (Industrial Environment)
	INGECON SUN 1303TL B470	STORAGE - 1303W (Industrial Environment)
	INGECON SUN 1665TL B640	STORAGE - 1665W (Industrial Environment)
	INGECON SUN 1690TL B650	STORAGE - 1690W (Industrial Environment)
	INGECON SUN 1715TL B660	STORAGE - 1715W (Industrial Environment)
	INGECON SUN 1740TL B670	STORAGE - 1740W (Industrial Environment)
	INGECON SUN 1767TL B680	STORAGE - 1767W (Industrial Environment)
	INGECON SUN 1800TL B690	STORAGE - 1800W (Industrial Environment)
	INGECON SUN 1820TL B700	1820W (Industrial Environment)
	INGECON SUN 3Play 100 TL	90-110kW (5 s) @ 360-440V (20 s) (All)
* KACO New Energy	50.0 TL3 M1 WM OD IIGM	Blueplanet - 50 KW (All)
	50.0 TL3 M1 WM OD IIGX	Blueplanet - 50 KW (All)
	50.0 TL3 M1 WM OD IIGB	Blueplanet - 50 KW (All)
	50.0 TL3 M1 WM OD IIGS	Blueplanet - 50 KW (All)
	50.0 TL3 M1 WM OD FRGS	Blueplanet - 50 KW (All)
	20.0 TL3 M2 WM OD IIG0	Blueplanet - 20 kW (All)
	15.0 TL3 M2 WM OD IIG0	Blueplanet - 15 kW (All)
* Lti REEnergy GmbH	PVM3.57.300.EM	300 kW (Industrial Environment)



PV INVERTERS		
Manufacturer Name	Product ID	Description & Usage Category
	PVMS.40K	40 kW (All)
	PVMS.46K	46 kW (Industrial Environment)
* NINGBO DEYE Inverter	SUN-33K-G	33 kW (excluding Industrial Environment)
* Shneider Electric	Conext CL20000E	20 kW (All)
	Conext CL60E	60 kW (excluding Industrial Environment)
	Conext CL25000E	25 kW (All)
* SMA	STP 15000TL-10	15 kW (All)
	STP 20000TL-30	20 kW (All)
	STP 25000TL-30	25 kW (All)
	STP50-40	50 kW (All)
	MLX / STP 60	60 kW (All)
	SB3.0-1AV-40	3 kW (All)
	SB3.6-1AV-40	3.68 kW (All)
	SB4.0-1AV-40	4 kW (All)
	SB5.0-1AV-40	5 kW (All)
* Sungrow Power Supply	SG36KTL-M	36 kW (All)
	SG60KTL	60 kW (All)
* Shanghai Trannergy	SGN1300 TL	1000W (All)
	SGN1800 TL	1500W (All)
	SGN2300 TL	2000W (All)



PV INVERTERS		
Manufacturer Name	Product ID	Description & Usage Category
	SGN2700 TL	2500W (All)
	SGN3000 TL	3000W (All)
	SGN3400 TL	3000W (All)
	SGN4000 TL	4000W (All)
	SGN4600 TL	4600W (All)
	SGN5400 TL	5000W (All)
	SGN6600TL	6000W (All)
* SIEL S.p.a	SOLEIL DSPX 80 TRH 400	80 kW (All)
* REFU Elektronik GmbH	REFUsol 08K	8.25KW (All)
	REFUsol 10K	10KW (All)
	REFUsol 13K	13KW (All)
	REFUsol 17K	17KW (All)
	REFUsol 20K	20KW (All)
	REFUsol 40k (840P040)	40KW (Industrial Environment)
	REFUsol 46k (840P046)	46KW (Industrial Environment)
	REFUsol 40k (842P040)	40KW (All)
	REFUsol 46k (842P046)	46KW (Industrial Environment)
* Shenzhen Growatt	Growatt 30000TL3-S	30000 (All)
	Growatt 33000TL3-S	33000 (All)
	Growatt 40000TL3-NS	40000 (All)



PV INVERTERS			
Manufacturer Name	Product ID	Description & Usage Category	
* Petra Solar Inc.	SWM 2.1	0.24 (All)	
* WeCo Srl Italia	SDX-3-xxxTL	5, 6, and 8kW (Industrial Environment)	
	SDX-3-xxxTL	10, 12, and 15kW (Industrial Environment)	
	SDX-3-xxxTL	17, 20, and 33kW (Industrial Environment)	



	EXTERNAL INTERFACE PROTECTIONS		
Manufacturer Name Product ID		Product ID	
*	ABB	UFDM34M	
*	ComAp a.s.	MAINSPRO	
		MAINSPRO LITE	
		INTELIPRO	
*	Lovato Electric S.p.A.	PMVF60*N.B.	
*	ZIEHL	SPI1021*N.B.	

^{*} N.B. For solar PV capacities of less than 200 kW.