



List of Eligible SB1 Guidelines Compliant Photovoltaic Modules

Updated as of October 15, 2009

Updated as manufacturer's provide laboratory-tested data per Appendix I of the [Guidelines for California's Solar Electric Incentive Programs \(Senate Bill 1\), Second Edition](#).

Beginning July 1, 2009, only modules which are on the SB1 Guidelines compliant module list will be eligible for incentive in California.

Please note that PTC values on this module list are calculated using laboratory-tested parameter values. After July 1, 2009, if a California solar electric incentive program uses PTC values, the SB1 Guidelines compliant PTC values must be used for new reservation applications.

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Manufacturer Name	Module Model Number	Description	BIPV*	PTC**	Notes
Aavid Thermalloy	ASMP-175M	175W Monocrystalline Module	N	154.1	
Aavid Thermalloy	ASMP-180M	180W Monocrystalline Module	N	158.6	
Advanced Renewable Energy	AREi-210W-M6-G	210W Polycrystalline Module	N	179.5	
Advanced Renewable Energy	AREi-215W-M6-G	215W Polycrystalline Module	N	184.0	
Advanced Renewable Energy	AREi-220W-M6-G	220W Polycrystalline Module	N	188.4	
Advanced Renewable Energy	AREi-225W-M6-G	225W Polycrystalline Module	N	192.8	
Advanced Renewable Energy	AREi-230W-M6-G	230W Polycrystalline Module	N	197.3	
aleo solar	S16.165	165W Polycrystalline Module	N	146.1	
aleo solar	S16.170	170W Polycrystalline Module	N	150.6	
aleo solar	S16.175	175W Polycrystalline Module	N	155.2	
aleo solar	S16.180	180W Polycrystalline Module	N	159.7	
aleo solar	S16.185	185W Polycrystalline Module	N	164.3	
aleo solar	S18.210	210W Polycrystalline Module	N	186.2	
aleo solar	S18.215	215W Polycrystalline Module	N	190.8	
aleo solar	S18.220	220W Polycrystalline Module	N	195.3	
aleo solar	S18.225	225W Polycrystalline Module	N	199.9	
aleo solar	S18.230	230W Polycrystalline Module	N	204.5	
Alps Technology	ATI-2000(210)	210W Polycrystalline Module	N	180.1	

Alps Technology	ATI-2000(220)	220W Polycrystalline Module	N	189.0
Alps Technology	ATI-2000(230)	230W Polycrystalline Module	N	197.9
Alps Technology	ATI-RF50	50W Polycrystalline Module	Y	39.5
Alps Technology	ATI-RF52	52W Polycrystalline Module	Y	41.2
Alps Technology	ATI-RF54	54W Polycrystalline Module	Y	42.9
Andalay Solar	ST165-1	165W Monocrystalline Module	N	142.8
Andalay Solar	ST170-1	170W Monocrystalline Module	N	152.9
Andalay Solar	ST175-1	175W Monocrystalline Module	N	157.5
Andalay Solar	KC180-1	180W Polycrystalline Module	N	156.0

Andalay Solar	KC205-1	205W Polycrystalline Module	N	180.0
Andalay Solar	KC210-1	210W Polycrystalline Module	N	184.6
Apollo Solar Energy	ASEC-175G6M	175W Polycrystalline Module	N	155.9
Apollo Solar Energy	ASEC-175G6S	175W Monocrystalline Module	N	155.2
Apollo Solar Energy	ASEC-180G6M	180W Polycrystalline Module	N	160.5
Apollo Solar Energy	ASEC-180G6S	180W Monocrystalline Module	N	159.7
Apollo Solar Energy	ASEC-185G6M	185W Polycrystalline Module	N	165.1
Apollo Solar Energy	ASEC-185G6S	185W Monocrystalline Module	N	164.3
Apollo Solar Energy	ASEC-190G6M	190W Polycrystalline Module	N	165.0
Apollo Solar Energy	ASEC-190G6S	190W Monocrystalline Module	N	168.8
Apollo Solar Energy	ASEC-195G6M	195W Polycrystalline Module	N	169.5
Apollo Solar Energy	ASEC-195G6S	195W Monocrystalline Module	N	173.4
Apollo Solar Energy	ASEC-200G6M	200W Polycrystalline Module	N	173.9
Apollo Solar Energy	ASEC-200G6S	200W Monocrystalline Module	N	178.0
Apollo Solar Energy	ASEC-205G6M	205W Polycrystalline Module	N	178.4
Apollo Solar Energy	ASEC-205G6S	205W Monocrystalline Module	N	182.5
Apollo Solar Energy	ASEC-210G6M	210W Polycrystalline Module	N	182.9
Apollo Solar Energy	ASEC-210G6S	210W Monocrystalline Module	N	187.1
Applied Solar	OE-34	34W Polycrystalline Waterproof Built-in PV Ro	Y	28.2
Applied Solar	OE-48	48W Polycrystalline Waterproof Built-in PV Ro	Y	38.6
Applied Solar	OE-50	50W Polycrystalline Waterproof Built-in PV Ro	Y	40.4
ASUN Energy	ASM190PCA0G101	190W Polycrystalline Module, Framed	N	159.1
ASUN Energy	ASM195PCA0G101	195W Polycrystalline Module, Framed	N	163.5
ASUN Energy	ASM200PCA0G101	200W Polycrystalline Module, Framed	N	167.8
ASUN Energy	ASM205PCA0G101	205W Polycrystalline Module, Framed	N	172.1
ASUN Energy	ASM210PCA0G101	210W Polycrystalline Module, Framed	N	176.5
Atlantis Energy	AES-SS-100-C	14W Monocrystalline SunSlate	Y	11.5
Atlantis Energy	AES-SS-100-W	14W Monocrystalline SunSlate	Y	11.5

Auratus Energy	AES-35-100-W	14W Monocrystalline SunSlate	Y	11.3
BP Solar	BP365TS	65W Polycrystalline Module, MC Connectors, 6	Y	51.7
BP Solar	BP170B	170W Polycrystalline Module, MC3, Bronze Fr	N	152.6
BP Solar	BP3170N	170W Polycrystalline Module, MC3, U Frame	N	152.6
BP Solar	BP3170N_Q	170W Polycrystalline Module, MC3, U Frame	N	152.6
BP Solar	BP175B	175W Polycrystalline Module, MC4, Bronze Fr	N	157.3
BP Solar	BP175I	175W Polycrystalline Module, Multicontact MC	N	157.3
BP Solar	BP3175N	175W Polycrystalline Module, MC3, U Frame	N	157.2
BP Solar	BP3175N_Q	175W Polycrystalline Module, MC3, U Frame	N	157.2
BP Solar	BP3180N	180W Polycrystalline Module, MC3, U Frame	N	161.8
BP Solar	BP3180N_Q	180W Polycrystalline Module, MC3, U Frame	N	161.8
BP Solar	SX3190B	190W Polycrystalline Module, MC3, U Frame,	N	166.0
BP Solar	SX3190N	190W Polycrystalline Module, MC3, U Frame	N	166.0
BP Solar	SX3190W	190W Polycrystalline Module, MC3, U Frame,	N	166.0
BP Solar	SX3195B	195W Polycrystalline Module, MC3, U Frame,	N	170.5
BP Solar	SX3195N	195W Polycrystalline Module, MC3, U Frame	N	170.5
BP Solar	SX3195W	195W Polycrystalline Module, MC3, U Frame,	N	170.5
BP Solar	SX3200B	200W Polycrystalline Module, MC3, U Frame,	N	175.0
BP Solar	SX3200N	200W Polycrystalline Module, MC3, U Frame	N	175.0
BP Solar	SX3200W	200W Polycrystalline Module, MC3, U Frame,	N	175.0
BP Solar	BP3210N	210W Polycrystalline Module, MC3, P Frame	N	176.2
BP Solar	BP3210T	210W Polycrystalline Module, MC4, U Frame	N	184.1
BP Solar	BP3220N	220W Polycrystalline Module, MC3, P Frame	N	193.1
BP Solar	BP3220T	220W Polycrystalline Module, MC4, U Frame	N	193.1
BP Solar	BP3230N	230W Polycrystalline Module, MC3, P Frame	N	202.2
BP Solar	BP3230T	230W Polycrystalline Module, MC4, U Frame	N	202.2

		U Frame		
BP Solar	BP3237T	237W Polycrystalline Module, MC4,U Frame	N	208.5
Brightwatts	BWI-72-P175	175W Monocrystalline Module	N	159.4
Brightwatts	BWI-60-M190	190W Polycrystalline Module	N	168.1
Brightwatts	BI-156-200W	200W Polycrystalline Module	N	180.2
Brightwatts	BWI-60-M200	200W Polycrystalline Module	N	177.1
CA Solar	MS-150M	150W Monocrystalline Module	N	131.7
CA Solar	MS-155M	155W Monocrystalline Module	N	136.2
CA Solar	MS-160M	160W Monocrystalline Module	N	140.7

CA Solar	MS-165M	165W Monocrystalline Module	N	145.2
CA Solar	MS-170M	170W Monocrystalline Module	N	149.7
CA Solar	MS-175M	175W Monocrystalline Module	N	154.2
CA Solar	MS-180M	180W Monocrystalline Module	N	158.8
Canadian Solar	CS5C-80M	80W Monocrystalline Module	N	72.7
Canadian Solar	CS5C-90M	90W Monocrystalline Module	N	82.0
Canadian Solar	CS5A-150M	150W Monocrystalline Module	N	136.2
Canadian Solar	CS6A-150P	150W Polycrystalline Module	N	130.7
Canadian Solar	CS6A-150PE	150W Polycrystalline Module	N	132.6
Canadian Solar	CS6A-155P	155W Polycrystalline Module	N	135.1
Canadian Solar	CS6A-155PE	155W Polycrystalline Module	N	137.1
Canadian Solar	CS5A-160M	160W Monocrystalline Module	N	145.4
Canadian Solar	CS6A-160P	160W Polycrystalline Module	N	139.6
Canadian Solar	CS6A-160PE	160W Polycrystalline Module	N	141.7
Canadian Solar	CS6P-160PE	160W Polycrystalline Module	N	141.0
Canadian Solar	CS5A-165M	165W Monocrystalline Module	N	150.1
Canadian Solar	CS6A-165P	165W Polycrystalline Module	N	144.1
Canadian Solar	CS6P-165PE	165W Polycrystalline Module	N	145.5
Canadian Solar	CS5A-170M	170W Monocrystalline Module	N	154.7
Canadian Solar	CS6A-170P	170W Polycrystalline Module	N	148.6
Canadian Solar	CS6P-170PE	170W Polycrystalline Module	N	150.0
Canadian Solar	CS5A-175M	175W Monocrystalline Module	N	159.4
Canadian Solar	CS6A-175P	175W Polycrystalline Module	N	153.1
Canadian Solar	CS6P-175PE	175W Polycrystalline Module	N	154.5
Canadian Solar	CS5A-180M	180W Monocrystalline Module	N	164.0
Canadian Solar	CS6A-180P	180W Polycrystalline Module	N	157.6
Canadian Solar	CS6P-180P	180W Polycrystalline Module	N	156.7
Canadian Solar	CS6P-180PE	180W Polycrystalline Module	N	159.0
Canadian Solar	CS6A-185P	185W Polycrystalline Module	N	162.1
Canadian Solar	CS6P-185P	185W Polycrystalline Module	N	159.5
Canadian Solar	CS6P-185PE	185W Polycrystalline Module	N	163.5
Canadian Solar	CS6A-190P	190W Polycrystalline Module	N	166.6

Canadian Solar	CS6P-190P	190W Polycrystalline Module	N	163.9
Canadian Solar	CS6P-190PE	190W Polycrystalline Module	N	168.1
Canadian Solar	CS6P-195P	195W Polycrystalline Module	N	168.4
Canadian Solar	CS6P-195PE	195W Polycrystalline Module	N	172.6
Canadian Solar	CS6P-200P	200W Polycrystalline Module	N	172.8
Canadian Solar	CS6P-200PE	200W Polycrystalline Module	N	177.1
Canadian Solar	CS6P-205P	205W Polycrystalline Module	N	177.3
Canadian Solar	CS6P-210P	210W Polycrystalline Module	N	181.7
Canadian Solar	CS6P-215P	215W Polycrystalline Module	N	186.2

Canadian Solar	CS5P-220M	220W Monocrystalline Module	N	200.1
Canadian Solar	CS6P-220P	220W Polycrystalline Module	N	190.7
Canadian Solar	CS5P-225M	225W Monocrystalline Module	N	204.8
Canadian Solar	CS6P-225P	225W Polycrystalline Module	N	195.2
Canadian Solar	CS5P-230M	230W Monocrystalline Module	N	209.4
Canadian Solar	CS6P-230P	230W Polycrystalline Module	N	199.6
Canadian Solar	CS5P-235M	235W Monocrystalline Module	N	214.1
Canadian Solar	CS5P-240M	240W Monocrystalline Module	N	218.7
CEEG (Shanghai) Solar Science and Tech	SST 160-72M	160W Monocrystalline Module	N	136.4
CEEG (Shanghai) Solar Science and Tech	SST 165-72M	165W Monocrystalline Module	N	140.8
CEEG (Shanghai) Solar Science and Tech	SST 170-72M	170W Monocrystalline Module	N	145.3
CEEG (Shanghai) Solar Science and Tech	SST 175-72M	175W Monocrystalline Module	N	156.5
CEEG (Shanghai) Solar Science and Tech	SST 180-72M	180W Monocrystalline Module	N	161.0
CEEG (Shanghai) Solar Science and Tech	SST 185-72M	185W Monocrystalline Module	N	165.6
Centrosolar America	E165	165W Monocrystalline Module	N	146.5
Centrosolar America	E170	170W Monocrystalline Module	N	151.1
Centrosolar America	E175	175W Monocrystalline Module	N	155.7
Centrosolar America	E180	180W Monocrystalline Module	N	157.7
Centrosolar America	E185	185W Monocrystalline Module	N	162.2
Centrosolar America	E195	195W Polycrystalline Module	N	172.4
Centrosolar America	D200	200W Polycrystalline Module	N	172.8
Centrosolar America	E200	200W Polycrystalline Module	N	176.9
Centrosolar America	E205	205W Polycrystalline Module	N	181.5
Centrosolar America	D210	210W Polycrystalline Module	N	181.7
Centrosolar America	E210	210W Polycrystalline Module	N	186.1
Centrosolar America	D220	220W Polycrystalline Module	N	190.7
Centrosolar America	D230	230W Polycrystalline Module	N	199.6
Centrosolar America	E260	260W Polycrystalline Module	N	231.2
Centrosolar America	E265	265W Polycrystalline Module	N	235.8

Centrosolar America	E270	270W Polycrystalline Module	N	237.2
Changzhou Nesi Solartech	DJ-165D	165W Monocrystalline Module	N	147.3
Changzhou Nesi Solartech	DJ-170D	170W Monocrystalline Module	N	151.8
Changzhou Nesi Solartech	DJ-175D	175W Monocrystalline Module	N	156.4
Changzhou Nesi Solartech	DJ-180D	180W Monocrystalline Module	N	161.0
Changzhou Trina Solar Energy	TSM-165DA01	165W Monocrystalline Module	N	146.0
Changzhou Trina Solar Energy	TSM-170D	170W Monocrystalline Module	N	152.1
Changzhou Trina Solar Energy	TSM-170DA01	170W Monocrystalline Module	N	150.6
Changzhou Trina Solar Energy	TSM-170DA03	170W Monocrystalline Module	N	150.5

Changzhou Trina Solar Energy	TSM-170PA03	170W Polycrystalline Module	N	148.7
Changzhou Trina Solar Energy	TSM-175D	175W Monocrystalline Module	N	156.7
Changzhou Trina Solar Energy	TSM-175DA01	175W Monocrystalline Module	N	155.1
Changzhou Trina Solar Energy	TSM-175DA03	175W Monocrystalline Module	N	155.0
Changzhou Trina Solar Energy	TSM-175PA03	175W Polycrystalline Module	N	153.2
Changzhou Trina Solar Energy	TSM-180D	180W Monocrystalline Module	N	161.3
Changzhou Trina Solar Energy	TSM-180DA01	180W Monocrystalline Module	N	159.7
Changzhou Trina Solar Energy	TSM-180DA03	180W Monocrystalline Module	N	159.6
Changzhou Trina Solar Energy	TSM-180PA03	180W Polycrystalline Module	N	157.7
Changzhou Trina Solar Energy	TSM-185DA01	185W Monocrystalline Module	N	164.3
Changzhou Trina Solar Energy	TSM-185DA03	185W Monocrystalline Module	N	164.2
Changzhou Trina Solar Energy	TSM-185PA03	185W Polycrystalline Module	N	162.3
Changzhou Trina Solar Energy	TSM-190DA03	190W Monocrystalline Module	N	168.7
Changzhou Trina Solar Energy	TSM-190PA03	190W Polycrystalline Module	N	166.8
Changzhou Trina Solar Energy	TSM-220DA05	220W Monocrystalline Module	N	193.6
Changzhou Trina Solar Energy	TSM-220PA05	220W Polycrystalline Module	N	192.9
Changzhou Trina Solar Energy	TSM-230DA05	230W Monocrystalline Module	N	202.7
Changzhou Trina Solar Energy	TSM-230PA05	230W Polycrystalline Module	N	202.0
Changzhou Trina Solar Energy	TSM-240DA05	240W Monocrystalline Module	N	211.8
Changzhou Trina Solar Energy	TSM-240PA05	240W Polycrystalline Module	N	211.0
Chi Mei Energy	CSSU-100A	100W Thin Film a-Si Module	N	93.7
Chi Mei Energy	CSSU-100B	100W Thin Film a-Si Module	N	93.7
China Sunergy	CSUN160D-24/D	160W Monocrystalline Module	N	136.4
China Sunergy	CSUN165D-24/D	165W Monocrystalline Module	N	140.8
China Sunergy	CSUN170D-24/D	170W Monocrystalline Module	N	145.3
China Sunergy	CSUN175D-24/D	175W Monocrystalline Module	N	156.5
China Sunergy	CSUN180D-24/D	180W Monocrystalline Module	N	161.0
China Sunergy	CSUN185D-24/D	185W Monocrystalline Module	N	165.6
Chinalight Haoyu Photovoltaic Technology	CLS165P	165W Polycrystalline Module	N	146.0
Chinalight Haoyu Photovoltaic Technology	CLS170P	170W Polycrystalline Module	N	150.5
Chinalight Haoyu Photovoltaic Technology	CLS175P	175W Polycrystalline Module	N	155.1

Technology				
Chinalight Haoyu Photovoltaic Technology	CLS180P	180W Polycrystalline Module	N	159.6
Chinalight Haoyu Photovoltaic Technology	CLS185P	185W Polycrystalline Module	N	164.2
Chinalight Haoyu Photovoltaic Technology	CLS190P	190W Polycrystalline Module	N	168.8
Chinalight Haoyu Photovoltaic Technology	CLS215P	215W Polycrystalline Module	N	190.5
Chinalight Haoyu Photovoltaic Technology	CLS220P	220W Polycrystalline Module	N	195.0
Chinalight Haoyu Photovoltaic Technology	CLS225P	225W Polycrystalline Module	N	199.6
Chinalight Haoyu Photovoltaic Technology	CLS230P	230W Polycrystalline Module	N	204.2
Chinalight Haoyu Photovoltaic Technology	CLS235P	235W Polycrystalline Module	N	208.7
Chint Solar (Zhejiang)	CHSM5612M	175W Monocrystalline Module	N	152.4
Chint Solar (Zhejiang)	CHSM6610M	230W Monocrystalline Module	N	199.5
Day4 Energy	Day448MC 155	155W Polycrystalline Module, Day4™ Electrode	N	138.7
Day4 Energy	Day448MC 160	160W Polycrystalline Module, Day4™ Electrode	N	143.3
Day4 Energy	Day448MC 165	165W Polycrystalline Module, Day4™ Electrode	N	147.9
Day4 Energy	Day448MC 170	170W Polycrystalline Module, Day4™ Electrode	N	152.5
Day4 Energy	Day448MC 175	175W Polycrystalline Module, Day4™ Electrode	N	157.1
Day4 Energy	Day448MC 180	180W Polycrystalline Module, Day4™ Electrode	N	161.7
Day4 Energy	Day448MC 185	185W Polycrystalline Module, Day4™ Electrode	N	166.3
Day4 Energy	Day448MC 190	190W Polycrystalline Module, Day4™ Electrode	N	170.9
DelSolar	D6P210A3E	210W Polycrystalline Module	N	180.1
DelSolar	D6P220A3E	220W Polycrystalline Module	N	189.0
DelSolar	D6P230A3E	230W Polycrystalline Module	N	197.9
Ecosolargy	SDM-170/(165)-72M	165W Monocrystalline Module	N	145.3
Ecosolargy	SDM-170/(170)-72M	170W Monocrystalline Module	N	149.8
Ecosolargy	SDM-170/(175)-72M	175W Monocrystalline Module	N	154.3
Ecosolargy	SDM-170/(180)-72M	180W Monocrystalline Module	N	158.9
Ecosolargy	SDM-170/(185)-72M	185W Monocrystalline Module	N	163.4
EPV SOLAR	EPV-40	40W Thin-Film Dual Junction a-Si Module, Fra	N	38.2
EPV SOLAR	EPV-42	42W Thin-Film Dual Junction a-Si Module, Fra	N	40.1
ET Solar Industry	ET-M572165	165W Monocrystalline Module	N	146.5

ET Solar Industry	ET-M572170	170W Monocrystalline Module	N	151.1
ET Solar Industry	ET-M572175	175W Monocrystalline Module	N	155.7
ET Solar Industry	ET-M572180	180W Monocrystalline Module	N	157.7
ET Solar Industry	ET-M572185	185W Monocrystalline Module	N	162.2
ET Solar Industry	ET-P654190	190W Polycrystalline Module	N	167.9
ET Solar Industry	ET-P654195	195W Polycrystalline Module	N	172.4
ET Solar Industry	ET-P654200	200W Polycrystalline Module	N	176.9
ET Solar Industry	ET-P654205	205W Polycrystalline Module	N	181.5
ET Solar Industry	ET-P654210	210W Polycrystalline Module	N	186.1

ET Solar Industry	ET-P672250	250W Polycrystalline Module	N	222.0
ET Solar Industry	ET-P672255	255W Polycrystalline Module	N	226.6
ET Solar Industry	ET-P672260	260W Polycrystalline Module	N	231.2
ET Solar Industry	ET-P672265	265W Polycrystalline Module	N	235.8
ET Solar Industry	ET-P672270	270W Polycrystalline Module	N	237.2
ET Solar Industry	ET-P672275	275W Polycrystalline Module	N	241.7
ET Solar Industry	ET-P672280	280W Polycrystalline Module	N	246.3
Evergreen Solar	ES-170-RL	170W Spruce Line Module, MC Connectors	N	147.1
Evergreen Solar	ES-170-SL	170W Spruce Line Module, MC Connectors	N	147.1
Evergreen Solar	ES-B-170-fa1	170W Glass-EVA-Tedlar Construction, MC Con	N	145.8
Evergreen Solar	ES-B-170-fb1	170W Glass-EVA-Tedlar Construction, MC Con	N	145.8
Evergreen Solar	ES-180-RL	180W Spruce Line Module, MC Connectors	N	158.7
Evergreen Solar	ES-180-SL	180W Spruce Line Module, MC Connectors	N	158.7
Evergreen Solar	ES-B-180-fa1	180W Glass-EVA-Tedlar Construction, MC Con	N	154.6
Evergreen Solar	ES-B-180-fb1	180W Glass-EVA-Tedlar Construction, MC Con	N	154.6
Evergreen Solar	ES-190-RL	190W Spruce Line Module, MC Connectors	N	163.9
Evergreen Solar	ES-190-SL	190W Spruce Line Module, MC Connectors	N	163.9
Evergreen Solar	ES-A-190-fa2	190W String Ribbon™ Module	N	171.7
Evergreen Solar	ES-A-190-fa3	190W String Ribbon™ Module, Black Frame	N	171.7
Evergreen Solar	ES-B-190-fa1	190W Glass-EVA-Tedlar Construction, MC Con	N	163.4
Evergreen Solar	ES-B-190-fb1	190W Glass-EVA-Tedlar Construction, MC Con	N	163.4
Evergreen Solar	ES-195-RL	195W Spruce Line Module, MC Connectors	N	168.4
Evergreen Solar	ES-195-SL	195W Spruce Line Module, MC Connectors	N	168.4

		Connectors		
Evergreen Solar	ES-A-195-fa2	195W String Ribbon™ Module	N	176.1
Evergreen Solar	ES-A-195-fa3	195W String Ribbon™ Module, Black Frame	N	176.1
Evergreen Solar	ES-B-195-fa1	195W Glass-EVA-Tedlar Construction, MC Con	N	167.9
Evergreen Solar	ES-B-195-fb1	195W Glass-EVA-Tedlar Construction, MC Con	N	167.9
Evergreen Solar	ES-200-RL	200W Spruce Line Module, MC Connectors	N	171.7
		200W Spruce Line Module, MC		
Evergreen Solar	ES-200-SL	Connectors	N	171.7
Evergreen Solar	ES-A-200-fa2	200W String Ribbon™ Module	N	180.7
Evergreen Solar	ES-A-200-fa3	200W String Ribbon™ Module, Black Frame	N	180.7
Evergreen Solar	ES-B-200-fa1	200W Glass-EVA-Tedlar Construction, MC Con	N	172.3
Evergreen Solar	ES-B-200-fb1	200W Glass-EVA-Tedlar Construction, MC Con	N	172.3
Evergreen Solar	ES-A-205-fa2	205W String Ribbon™ Module	N	185.4
Evergreen Solar	ES-A-205-fa3	205W String Ribbon™ Module, Black Frame	N	185.4
Evergreen Solar	ES-A-210-fa2	210W String Ribbon™ Module	N	190.0
Evergreen Solar	ES-A-210-fa3	210W String Ribbon™ Module, Black Frame	N	190.0
First Solar	FS-267	67.5W Thin Film CdTe Module	N	64.8
First Solar	FS-270	70W Thin Film CdTe Module	N	67.2
First Solar	FS-272	72.5W Thin Film CdTe Module	N	69.6
First Solar	FS-275	75W Thin Film CdTe Module	N	72.0
First Solar	FS-277	77.5W Thin Film CdTe Module	N	74.5
GE Energy	GEPVp-066-G	66W Polycrystalline Module	Y	52.1
GE Energy	GEPVp-200-M	200W Polycrystalline Module	N	173.1
GE Energy	GEPVp-205-M	205W Polycrystalline Module	N	177.6
Gloria Solar	GSS5-160A-E1	160W Monocrystalline Module	N	139.7
Gloria Solar	GSS5-165A-E1	165W Monocrystalline Module	N	144.2
Gloria Solar	GSS5-170A-E1	170W Monocrystalline Module	N	148.7
Gloria Solar	GSM6-200D-E1	200W Polycrystalline Module	N	170.0
Gloria Solar	GSM6-205D-E1	205W Polycrystalline Module	N	174.4
Gloria Solar	GSM6-210D-E1	210W Polycrystalline Module	N	178.8
Gloria Solar	GSM6-215D-E1	215W Polycrystalline Module	N	183.2
Gloria Solar	GSM6-220D-E1	220W Polycrystalline Module	N	187.6
Green Power	ET-M572165	165W Monocrystalline Module	N	146.5
Green Power	ET-M572170	170W Monocrystalline Module	N	151.1
Green Power	ET-M572175	175W Monocrystalline Module	N	155.7
Green Power	ET-M572180	180W Monocrystalline Module	N	157.7
Green Power	ET-M572185	185W Monocrystalline Module	N	160.0

Green Power	ET-1M572185	185W Monocrystalline Module	N	162.2
Green Power	ET-P654195	195W Polycrystalline Module	N	172.4
Green Power	ET-P654200	200W Polycrystalline Module	N	176.9
Green Power	ET-P654205	205W Polycrystalline Module	N	181.5
Green Power	ET-P654210	210W Polycrystalline Module	N	186.1
Green Power	ET-P672260	260W Polycrystalline Module	N	231.2
Green Power	ET-P672265	265W Polycrystalline Module	N	235.8
Green Power	ET-P672270	270W Polycrystalline Module	N	237.2
Green Power	ET-P672275	275W Polycrystalline Module	N	241.7

Green Power	ET-P672280	280W Polycrystalline Module	N	246.3
Hyundai Heavy Industries	HiS-M191SF	191W Polycrystalline Module	N	172.6
Hyundai Heavy Industries	HiS-M194SF	194W Polycrystalline Module	N	175.4
Hyundai Heavy Industries	HiS-M197SF	197W Polycrystalline Module	N	178.2
Hyundai Heavy Industries	HiS-M200SF	200W Polycrystalline Module	N	180.9
Hyundai Heavy Industries	HiS-M203SF	203W Polycrystalline Module	N	183.7
Hyundai Heavy Industries	HiS-M206SF	206W Polycrystalline Module	N	186.5
Hyundai Heavy Industries	HiS-M209SF	209W Polycrystalline Module	N	189.3
Hyundai Heavy Industries	HiS-M212SG	212W Polycrystalline Module	N	191.0
Hyundai Heavy Industries	HiS-M215SG	215W Polycrystalline Module	N	193.7
Hyundai Heavy Industries	HiS-M218SG	218W Polycrystalline Module	N	196.5
Hyundai Heavy Industries	HiS-M221SG	221W Polycrystalline Module	N	199.3
Hyundai Heavy Industries	HiS-M224SG	224W Polycrystalline Module	N	202.0
Hyundai Heavy Industries	HiS-M227SG	227W Polycrystalline Module	N	204.8
Hyundai Heavy Industries	HiS-M230SG	230W Polycrystalline Module	N	207.6
Instalaciones Pevafersa	IP-VA180	180W Monocrystalline Module	N	159.2
Instalaciones Pevafersa	IP-VAP210	210W Polycrystalline Module	N	183.7
Instalaciones Pevafersa	IP-VAP230	230W Polycrystalline Module	N	201.0
Isofoton	IS-210/32	210W Monocrystalline Module	N	182.8
Isofoton	IS-215/32	215W Monocrystalline Module	N	187.3
Isofoton	IS-220/32	220W Monocrystalline Module	N	191.8
Jiangsu Sainty Machinery	GES-M165	165W Monocrystalline Module	N	147.3
Jiangsu Sainty Machinery	GES-M170	170W Monocrystalline Module	N	151.8
Jiangsu Sainty Machinery	GES-M175	175W Monocrystalline Module	N	156.4
Jiangsu Sainty Machinery	GES-M180	180W Monocrystalline Module	N	161.0
Jiangyin Jetion Science and Technology	JT175(35) S1580×808	175W Monocrystalline Module	N	153.9
Jiangyin Jetion Science and Technology	JT180(36) S1580×808	180W Monocrystalline Module	N	158.5
Jiangyin Jetion Science and Technology	JT185(36) S1580×808	185W Monocrystalline Module	N	163.0
Jiangyin Jetion Science and Technology	JT210(29) P1655×992	210W Polycrystalline Module	N	184.1
Jiangyin Jetion Science and Technology	JT215(30) P1655×992	215W Polycrystalline Module	N	188.6

Technology	Product	Power	Efficiency	Weight
Jiangyin Jotion Science and Technology	JT220(30) P1655×992	220W Polycrystalline Module	N	193.2
Jiangyin Jotion Science and Technology	JT225(30) P1655×992	225W Polycrystalline Module	N	197.7
Jiangyin Jotion Science and Technology	JT230(30) P1655×992	230W Polycrystalline Module	N	202.2
Jumao Photonics (Xiamen)	JMP-85W-S5-G	85W Monocrystalline Module	N	72.6
Jumao Photonics (Xiamen)	JMP-160W-S5-G	160W Monocrystalline Module	N	134.8
Jumao Photonics (Xiamen)	JMP-170W-S5-G	170W Monocrystalline Module	N	143.5
Jumao Photonics (Xiamen)	JMP-210W-M6-G	210W Polycrystalline Module	N	179.5
Jumao Photonics (Xiamen)	JMP-215W-M6-G	215W Polycrystalline Module	N	184.0
Jumao Photonics (Xiamen)	JMP-220W-M6-G	220W Polycrystalline Module	N	188.4
Jumao Photonics (Xiamen)	JMP-225W-M6-G	225W Polycrystalline Module	N	192.8
Jumao Photonics (Xiamen)	JMP-230W-M6-G	230W Polycrystalline Module	N	197.3
Kaneka	G-SA060	60W a-Si Module	N	57.0
Kyocera Solar	SU53BU	53W Polycrystalline Module, Deep Blue	Y	41.6
Kyocera Solar	KC130GT	130W Polycrystalline Module, High Efficiency,	N	114.2
Kyocera Solar	KC130TM	130W Polycrystalline Module, High Efficiency,	N	114.2
Kyocera Solar	KD130GX-L	130W Polycrystalline Module, High Efficiency,	N	114.8
Kyocera Solar	KD130GX-LP	130W Polycrystalline Module, High Efficiency,	N	114.8
Kyocera Solar	KD135GX-L	135W Polycrystalline Module, High Efficiency,	N	119.4
Kyocera Solar	KD135GX-LP	135W Polycrystalline Module, High Efficiency,	N	119.4
Kyocera Solar	KC175GT	175W Polycrystalline Module, High Efficiency,	N	153.6
Kyocera Solar	KD180GX-L	180W Polycrystalline Module, High Efficiency,	N	156.0
Kyocera Solar	KD180GX-LP	180W Polycrystalline Module, High Efficiency,	N	156.0
Kyocera Solar	KD185GX-LPU	185W Polycrystalline Module, High Efficiency,	N	162.5
Kyocera Solar	KC200GT	200W Polycrystalline Module, High Efficiency,	N	175.7
Kyocera Solar	KD200GX-LPU	200W Polycrystalline Module, High Efficiency,	N	175.5
Kyocera Solar	KD205GX-L	205W Polycrystalline Module, High Efficiency,	N	180.0
Kyocera Solar	KD205GX-LP	205W Polycrystalline Module, High Efficiency,	N	180.0
Kyocera Solar	KD205GX-LPU	205W Polycrystalline Module, High Efficiency,	N	180.0

Kyocera Solar	KD210GX-L	210W Polycrystalline Module, High Efficiency,	N	184.6
Kyocera Solar	KD210GX-LP	210W Polycrystalline Module, High Efficiency,	N	184.6
Kyocera Solar	KD210GX-LPU	210W Polycrystalline Module, High Efficiency,	N	184.6
Kyocera Solar	KD215GX-LPU	215W Polycrystalline Module, High Efficiency,	N	189.1
Lifeline Energy International	LF-165WP	165W Monocrystalline Module	N	147.3
Lifeline Energy International	LF-170WP	170W Monocrystalline Module	N	151.8

Lifeline Energy International	LF-175WP	175W Monocrystalline Module	N	156.4
Lifeline Energy International	LF-180WP	180W Monocrystalline Module	N	161.0
Ligitek Photovoltaic	LG052BB00	52W Polycrystalline Module	Y	41.2
Ligitek Photovoltaic	LM210BB00	210W Polycrystalline Module	N	180.1
Ligitek Photovoltaic	LM215BB00	215W Polycrystalline Module	N	184.5
Ligitek Photovoltaic	LM220BB00	220W Polycrystalline Module	N	189.0
Ligitek Photovoltaic	LM225BB00	225W Polycrystalline Module	N	193.4
Ligitek Photovoltaic	LM230BB00	230W Polycrystalline Module	N	197.9
Lumos	LS185-72M	185W Monocrystalline Module	N	165.6
MAGE Solar	Powertec 170/5ME	170W Monocrystalline Module	N	151.0
MAGE Solar	Powertec 175/5ME	175W Monocrystalline Module	N	155.6
MAGE Solar	Powertec 175/5MJ	175W Monocrystalline Module	N	153.9
MAGE Solar	Powertec 180/5ME	180W Monocrystalline Module	N	160.1
MAGE Solar	Powertec 180/5MJ	180W Monocrystalline Module	N	158.5
MAGE Solar	Powertec 185/5MJ	185W Monocrystalline Module	N	163.0
MAGE Solar	Powertec 220/6PJ	220W Polycrystalline Module	N	193.2
MAGE Solar	Powertec 225/6PJ	225W Polycrystalline Module	N	197.7
MAGE Solar	Powertec 230/6PJ	230W Polycrystalline Module	N	202.2
Mitsubishi Electric	PV-EE120MF5F	120W Polycrystalline Module, Lead-Free Solde	N	108.7
Mitsubishi Electric	PV-EE125MF5F	125W Polycrystalline Module, Lead-Free Solde	N	112.4
Mitsubishi Electric	PV-EE130MF5F	130W Polycrystalline Module, Lead-Free Solde	N	117.0
Mitsubishi Electric	PV-MF160EB4	160W Polycrystalline Module, Lead-Free Solde	N	141.6
Mitsubishi Electric	PV-MF165EB4	165W Polycrystalline Module, Lead-Free Solde	N	146.1
Mitsubishi Electric	PV-MF170EB3	170W Polycrystalline Module, Lead-Free Solde	N	150.7
Mitsubishi Electric	PV-MF170EB4	170W Polycrystalline Module, Lead-Free Solde	N	150.7
Mitsubishi Electric	PV-MF170UD4	170W Polycrystalline Module, Lead-Free Solde	N	151.6
Mitsubishi Electric	PV-UD170MF5	170W Polycrystalline Module, Lead-Free Solde	N	150.9

Mitsubishi Electric	PV-MF175UD4	175W Polycrystalline Module, Lead-Free Solde	N	156.1
Mitsubishi Electric	PV-UD175MF5	175W Polycrystalline Module, Lead-Free Solde	N	157.0
Mitsubishi Electric	PV-MF180UD4	180W Polycrystalline Module, Lead-Free Solde	N	160.7
Mitsubishi Electric	PV-UD180MF5	180W Polycrystalline Module, Lead-Free Solde	N	161.6
Mitsubishi Electric	PV-UD185MF5	185W Polycrystalline Module, Lead-Free Solde	N	166.2
Mitsubishi Electric	PV-UD190MF5	190W Polycrystalline Module, Lead-Free Solde	N	169.8
Moser Baer Photovoltaic	MBPV CAAP 210	210W Polycrystalline Module	N	186.5
Moser Baer Photovoltaic	MBPV CAAP 220	220W Polycrystalline Module	N	195.6
Nexpower Technology	NH-100UT_3A	95W Thin Film a-Si Module	N	90.0
NexPower Technology	NH-100UX 3A	95W Thin-Film a-Si Module	N	90.7
Nexpower Technology	NH-100UT_4A	100W Thin Film a-Si Module	N	94.8
NexPower Technology	NH-100UX 4A	100W Thin-Film a-Si Module	N	95.5
Nexpower Technology	NH-100UT_5A	105W Thin Film a-Si Module	N	99.5
NexPower Technology	NH-100UX 5A	105W Thin-Film a-Si Module	N	100.3
Nexpower Technology	NH-100UT_6A	110W Thin Film a-Si Module	N	104.3
Nexpower Technology	NT-125UX	125W Thin Film a-Si/uc-Si Module	N	117.5
Nexpower Technology	NT-130UX	130W Thin Film a-Si/uc-Si Module	N	122.3
Nexpower Technology	NT-135UX	135W Thin Film a-Si/uc-Si Module	N	127.0
Ningbo Maxsolar	MP-150WP	150W Monocrystalline Module	N	131.7
Ningbo Maxsolar	MP-155WP	155W Monocrystalline Module	N	136.2
Ningbo Maxsolar	MP-160WP	160W Monocrystalline Module	N	140.7
Ningbo Maxsolar	MP-165WP	165W Monocrystalline Module	N	145.2
Ningbo Maxsolar	MP-170WP	170W Monocrystalline Module	N	149.7
Ningbo Maxsolar	MP-175WP	175W Monocrystalline Module	N	154.2
Ningbo Maxsolar	MP-180WP	180W Monocrystalline Module	N	158.8
Ningbo Solar Electric Power	TDB125×125-72-P 150W	150W Monocrystalline Module	N	133.2
Ningbo Solar Electric Power	TDB125×125-72-P 155W	155W Monocrystalline Module	N	137.7
Ningbo Solar Electric Power	TDB125×125-72-P 160W	160W Monocrystalline Module	N	142.3
Ningbo Solar Electric Power	TDB125×125-72-P 165W	165W Monocrystalline Module	N	146.8
Ningbo Solar Electric Power	TDB125×125-72-P 170W	170W Monocrystalline Module	N	151.4
Ningbo Solar Electric Power	TDB125×125-72-P 175W	175W Monocrystalline Module	N	155.9
Ningbo Solar Electric Power	TDB125×125-72-P 180W	180W Monocrystalline Module	N	160.5

Ningbo Solar Electric Power	TPB125×125-96-P 200W	200W Polycrystalline Module	N	175.7
Ningbo Solar Electric Power	TPB125×125-96-P 210W	210W Polycrystalline Module	N	184.7
Ningbo Solar Electric Power	TPB125×125-96-P 220W	220W Polycrystalline Module	N	193.7
Ningbo Solar Electric Power	TPB125×125-96-P 230W	230W Polycrystalline Module	N	202.8
Ningbo Solar Electric Power	TPB125×125-96-P 240W	240W Polycrystalline Module	N	211.9
Ningbo Ulica Solar Science &	165(35) D	165W Monocrystalline Module	N	142.7
Technology	UL811×1581			
Ningbo Ulica Solar Science & Technology	230(35) D UL997×1953	230W Monocrystalline Module	N	201.8
Phono Solar Technology	PS160M-24/F	160W Monocrystalline Module	N	145.1
Phono Solar Technology	PS165M-24/F	165W Monocrystalline Module	N	149.7
Phono Solar Technology	PS170M-24/F	170W Monocrystalline Module	N	154.4
Phono Solar Technology	PS180M-24/F	180W Monocrystalline Module	N	163.7
Phono Solar Technology	PS185M-24/F	185W Monocrystalline Module	N	168.3
Phono Solar Technology	PS190M-24/F	190W Monocrystalline Module	N	173.0
Phono Solar Technology	PS210M-20/U	210W Monocrystalline Module	N	189.7
Phono Solar Technology	PS210P-20/U	210W Polycrystalline Module	N	190.1
Phono Solar Technology	PS215M-20/U	215W Monocrystalline Module	N	194.3
Phono Solar Technology	PS215P-20/U	215W Polycrystalline Module	N	194.7
Phono Solar Technology	PS220M-20/U	220W Monocrystalline Module	N	199.0
Phono Solar Technology	PS220P-20/U	220W Polycrystalline Module	N	199.4
Phono Solar Technology	PS225M-20/U	225W Monocrystalline Module	N	203.6
Phono Solar Technology	PS225P-20/U	225W Polycrystalline Module	N	204.0
Phono Solar Technology	PS230M-20/U	230W Monocrystalline Module	N	208.2
Phono Solar Technology	PS230P-20/U	230W Polycrystalline Module	N	208.6
Phono Solar Technology	PS235M-20/U	235W Monocrystalline Module	N	212.8
Phono Solar Technology	PS235P-20/U	235W Polycrystalline Module	N	213.3
Phono Solar Technology	PS240M-20/U	240W Monocrystalline Module	N	217.5
Phono Solar Technology	PS240P-20/U	240W Polycrystalline Module	N	217.9
Powercom	PPV-130M6L	126W Polycrystalline PV Module	N	110.1
Powercom	PPV-180M6L	178W Polycrystalline PV Module	N	155.9
Powercom	PPV-210M6L	210W Polycrystalline PV Module	N	182.9
Powercom	PPV-230M6L	223W Polycrystalline PV Module	N	194.2
Quantum Technologies	QS 215W/60-156 AP 2BB	215W Polycrystalline Module	N	187.6
Quantum Technologies	QS 220W/60-156 AP 2BB	220W Polycrystalline Module	N	192.1
Quantum Technologies	QS 220W/60-156 SP 2BB	220W Polycrystalline Module	N	189.1
Quantum Technologies	QS 225W/60-156 AP 2BB	225W Polycrystalline Module	N	196.6

Quantum Technologies	QS 225W/60-156 SP 2BB	225W Polycrystalline Module	N	193.5
Quantum Technologies	QS 225W/60-256 EM 3BB	225W Monocrystalline Module	N	192.4
Quantum Technologies	QS 230W/60-156 SP 2BB	230W Polycrystalline Module	N	198.0
REC ScanModule	REC205AE-US	205W Polycrystalline Module, High Performanc	N	178.2
REC ScanModule	REC205AE-US (BLK)	205W Polycrystalline Module, High Performanc	N	178.2
REC ScanModule	SCM205	205W Polycrystalline Module	N	178.6
REC ScanModule	REC210AE-US	210W Polycrystalline Module, High Performanc	N	182.7
REC ScanModule	REC210AE-US (BLK)	210W Polycrystalline Module, High Performanc	N	182.7
REC ScanModule	SCM210	210W Polycrystalline Module	N	183.0
REC ScanModule	REC215AE-US	215W Polycrystalline Module, High Performanc	N	187.2
REC ScanModule	REC215AE-US (BLK)	215W Polycrystalline Module, High Performanc	N	187.2
REC ScanModule	SCM215	215W Polycrystalline Module	N	187.5
REC ScanModule	REC220AE-US	220W Polycrystalline Module, High Performanc	N	191.7
REC ScanModule	REC220AE-US (BLK)	220W Polycrystalline Module, High Performanc	N	191.7
REC ScanModule	SCM220	220W Polycrystalline Module	N	192.0
REC ScanModule	REC225AE-US	225W Polycrystalline Module, High Performanc	N	196.2
REC ScanModule	REC225AE-US (BLK)	225W Polycrystalline Module, High Performanc	N	196.2
REC ScanModule	SCM225	225W Polycrystalline Module	N	196.5
REC ScanModule	REC230AE-US	230W Polycrystalline Module, High Performanc	N	200.7
REC ScanModule	REC230AE-US (BLK)	230W Polycrystalline Module, High Performanc	N	200.7
Ritek	PM130	130W Polycrystalline Module	N	115.4
Ritek	MM135	135W Monocrystalline Module	N	120.9
Ritek	PM135	135W Polycrystalline Module	N	119.9
Ritek	MM140	140W Monocrystalline Module	N	125.4
Ritek	PM140	140W Polycrystalline Module	N	124.5
Ritek	MM145	145W Monocrystalline Module	N	130.0
Ritek	PM175	175W Polycrystalline Module	N	155.4
Ritek	MM180	180W Monocrystalline Module	N	161.2
Ritek	PM180	180W Polycrystalline Module	N	160.0
Ritek	MM185	185W Monocrystalline Module	N	165.8
Ritek	PM185	185W Polycrystalline Module	N	164.5

Ritek	MM190	190W Monocrystalline Module	N	170.4
Ritek	PM190	190W Polycrystalline Module	N	168.6
Ritek	MM195	195W Monocrystalline Module	N	174.5
Ritek	PM195	195W Polycrystalline Module	N	173.1
Ritek	MM200	200W Monocrystalline Module	N	179.1
Ritek	PM200	200W Polycrystalline Module	N	177.7
Ritek	MM205	205W Monocrystalline Module	N	183.7
Ritek	PM205	205W Polycrystalline Module	N	182.3
Ritek	MM210	210W Monocrystalline Module	N	188.3

Ritek	PM210	210W Polycrystalline Module	N	186.3
Ritek	MM215	215W Monocrystalline Module	N	192.9
Ritek	PM215	215W Polycrystalline Module	N	190.9
Ritek	MM220	220W Monocrystalline Module	N	197.0
Ritek	PM220	220W Polycrystalline Module	N	195.4
Ritek	MM225	225W Monocrystalline Module	N	201.6
Ritek	PM225	225W Polycrystalline Module	N	200.0
Ritek	MM230	230W Monocrystalline Module	N	206.1
Ritek	PM230	230W Polycrystalline Module	N	204.6
Ritek	MM235	235W Monocrystalline Module	N	210.7
Ritek	MM240	240W Monocrystalline Module	N	215.4
Sanyo Electric	HIP-180BA19	HIT Power 180W - Hybrid Amorphous/Monocry	N	166.9
Sanyo Electric	HIP-180DA3	180W HIT Hybrid Amorphous/Monocrystalline	N	167.3
Sanyo Electric	HIP-186BA19	HIT Power 186W - Hybrid Amorphous/Monocry	N	172.6
Sanyo Electric	HIP-186BA3	186W HIT Hybrid Amorphous/Monocrystalline	N	167.5
Sanyo Electric	HIP-186DA3	186W HIT Hybrid Amorphous/Monocrystalline	N	173.0
Sanyo Electric	HIP-190BA19	HIT Power 190W - Hybrid Amorphous/Monocry	N	176.4
Sanyo Electric	HIP-190BA3	190W HIT Hybrid Amorphous/Monocrystalline	N	171.2
Sanyo Electric	HIP-190DA3	190W HIT Hybrid Amorphous/Monocrystalline	N	176.8
Sanyo Electric	HIP-195BA19	HIT Power 195W - Hybrid Amorphous/Monocry	N	181.1
Sanyo Electric	HIP-195BA3	195W HIT Hybrid Amorphous/Monocrystalline	N	179.8
Sanyo Electric	HIP-195DA3	195W HIT Hybrid Amorphous/Monocrystalline	N	181.5
Sanyo Electric	HIP-195NKHA1	195W HIT Power N Hybrid Amorphous/Monocr	N	180.7
Sanyo Electric	HIP-195NKHA5	195W HIT Power N Hybrid Amorphous/Monocr	N	180.7

Sanyo Electric	HIP-200BA19	HIT Power 200W - Hybrid Amorphous/Monocry	N	185.9
Sanyo Electric	HIP-200BA3	200W HIT Hybrid Amorphous/Monocrystalline	N	184.5
Sanyo Electric	HIP-200DA3	200W HIT Hybrid Amorphous/Monocrystalline	N	186.2
Sanyo Electric	HIP-200NKHA1	200W HIT Power N Hybrid Amorphous/Monocr	N	185.4
Sanyo Electric	HIP-200NKHA5	200W HIT Power N Hybrid Amorphous/Monocr	N	185.4
Sanyo Electric	HIP-205BA19	HIT Power 205W - Hybrid Amorphous/Monocry	N	190.7
Sanyo Electric	HIP-205BA3	205W HIT Hybrid Amorphous/Monocrystalline	N	185.1
Sanyo Electric	HIP-205NKHA1	205W HIT Power N Hybrid Amorphous/Monocr	N	190.2
Sanyo Electric	HIP-205NKHA5	205W HIT Power N Hybrid Amorphous/Monocr	N	190.2
Sanyo Electric	HIP-210NKHA1	210W HIT Power N Hybrid Amorphous/Monocr	N	194.9
Sanyo Electric	HIP-210NKHA5	210W HIT Power N Hybrid Amorphous/Monocr	N	194.9
Sanyo Electric	HIP-215NKHA1	215W HIT Power N Hybrid Amorphous/Monocr	N	199.6
Sanyo Electric	HIP-215NKHA5	215W HIT Power N Hybrid Amorphous/Monocr	N	199.6
Schott Solar	ASE-300-DGF/25-145	145W Polycrystalline Module, 25V, Double Gla	N	131.8
Schott Solar	SAPC-170	170W Polycrystalline Module	N	149.1
Schott Solar	SAPC-175	175W Monocrystalline Module	N	151.8
Schott Solar	ASE-300-DGF/34-195	195W Polycrystalline Module, 34V, Double Gla	N	178.7
Schott Solar	Poly 202	202W Polycrystalline Module	N	177.6
Schott Solar	Poly 210	210W Polycrystalline Module	N	184.8
Schott Solar	Poly 217	217W Polycrystalline Module	N	191.2
Schott Solar	Poly 220	220W Polycrystalline Module	N	193.9
Schott Solar	Poly 225	225W Polycrystalline Module	N	198.4
Schott Solar	ASE-300-DGF/42-240	240W Polycrystalline Module	N	212.5
Schott Solar	ASE-300-DGF/50-250	250W Polycrystalline Module, 50V, Double Gla	N	221.6
Schott Solar	ASE-300-DGF/50-260	260W Polycrystalline Module	N	230.6
Schott Solar	ASE-300-DGF/50-270	270W Polycrystalline Module	N	239.7
Schott Solar	ASE-300-DGF/50-280	280W Polycrystalline Module, 50V, Double Gla	N	248.8
Schott Solar	ASE-300-DGF/50-	290W Polycrystalline Module	N	257.9

Schott Solar	290	290W Polycrystalline Module	N	257.7
Schott Solar	ASE-300-DGF/50-300	300W Polycrystalline Module	N	267.0
Schott Solar	ASE-300-DGF/50-310	310W Polycrystalline Module, 50V, Double Gla	N	276.2
Schuco International	MPE 310 MP 02	310W Monocrystalline Module, Premium, Dark	N	274.9
Schuco International	MPE 320 MP 02	320W Monocrystalline Module, Premium, Dark	N	284.0
Schuco USA	S 165-SPU	165W Polycrystalline Module, Lead-Free Solde	N	146.1

Schuco USA	S 165-SPU-4	165W Polycrystalline Module, Lead-Free Solde	N	146.4
Schuco USA	S 170-SPU	170W Polycrystalline Module, Lead-Free Solde	N	150.7
Schuco USA	S 170-SPU-4	170W Polycrystalline Module, Lead-Free Solde	N	150.9
Schuco USA	S 175-SPU-4	175W Polycrystalline Module, Lead-Free Solde	N	157.0
Schuco USA	S 180-SPU-4	180W Polycrystalline Module, Lead-Free Solde	N	161.6
Schuco USA	MPE 200 PS 04	200W Polycrystalline Module	N	172.8
Schuco USA	SPV 200 SMAU-1	200W Monocrystalline Module, Black Frame	N	178.1
Schuco USA	MPE 205 PS 04	205W Polycrystalline Module	N	177.3
Schuco USA	MPE 210 PS 04	210W Polycrystalline Module	N	181.7
Schuco USA	SPV 210 SMAU-1	210W Monocrystalline Module, Black Frame	N	187.3
Schuco USA	MPE 215 PS 04	215W Polycrystalline Module	N	186.2
Schuco USA	MPE 220 PS 04	220W Polycrystalline Module	N	190.7
Schuco USA	MPE 225 PS 04	225W Polycrystalline Module	N	195.2
Schuco USA	MPE 230 PS 04	230W Polycrystalline Module	N	199.6
SET-Solar	SDM-170/(165)-72M	165W Monocrystalline Module	N	145.3
SET-Solar	SDM-170/(170)-72M	170W Monocrystalline Module	N	149.8
SET-Solar	SDM-170/(175)-72M	175W Monocrystalline Module	N	154.3
SET-Solar	SDM-170/(180)-72M	180W Monocrystalline Module	N	158.9
SET-Solar	SDM-170/(185)-72M	185W Monocrystalline Module	N	163.4
Shanghai Solar Energy S&T	S-175C	175W Monocrystalline Module	N	155.2
Shanghai Solar Energy S&T	S-180C	180W Monocrystalline Module	N	159.7
Shanghai Solar Energy S&T	S-185C	185W Monocrystalline Module	N	164.3
Shanghai Topsolar Green Energy	TSM72-125M 160W	160W Monocrystalline Module	N	143.9
Shanghai Topsolar Green Energy	TSM72-125M 165W	165W Monocrystalline Module	N	148.5
Shanghai Topsolar Green Energy	TSM72-125M 170W	170W Monocrystalline Module	N	153.1
Shanghai Topsolar Green Energy	TSM72-125M 175W	175W Monocrystalline Module	N	157.8

Energy				
Shanghai Topsolar Green Energy	TSM72-125M 180W	180W Monocrystalline Module	N	162.4
Sharp	ND-62RU1	62W Polycrystalline Roof Module	Y	51.2
Sharp	ND-62RU1F	62W Polycrystalline Roof Module	Y	51.2
Sharp	ND-62RU2	62W Polycrystalline Roof Module	Y	51.2
Sharp	ND-62RUC1	62W Polycrystalline Roof Module, Locking Con	Y	51.2
Sharp	ND-65RU1F	65W Polycrystalline Roof Module	Y	53.0
Sharp	ND-65RUC1	65W Polycrystalline Roof Module,	Y	53.0
		Locking Con		
Sharp	ND-72ELU	72W Polycrystalline Triangle Module, Left Side	N	63.2
Sharp	ND-72ELUC	72W Polycrystalline Triangle Module, Left Side,	N	63.2
Sharp	ND-72ELUF	72W Polycrystalline Triangle Module, Left Side	N	63.2
Sharp	ND-72ERU	72W Polycrystalline Triangle Module, Right Sid	N	63.2
Sharp	ND-72ERUC	72W Polycrystalline Triangle Module, Right Sid	N	63.2
Sharp	ND-72ERUF	72W Polycrystalline Triangle Module, Right Sid	N	63.2
Sharp	ND-V075CL	75W Polycrystalline Triangle Module, Left Side,	N	65.9
Sharp	ND-V075CR	75W Polycrystalline Triangle Module, Right Sid	N	65.9
Sharp	ND-123UJF	123W Polycrystalline module	N	108.2
Sharp	ND-130UJF	130W Polycrystalline module	N	113.8
Sharp	ND-N2ECU	142W Polycrystalline Module	N	124.1
Sharp	ND-N2ECUC	142W Polycrystalline Module, Locking Connect	N	124.1
Sharp	ND-N2ECUF	142W Polycrystalline Module	N	124.1
Sharp	NE-160U1	160W Polycrystalline Module, Flat Screw	N	140.1
Sharp	ND-162U1F	162W Polycrystalline Module	N	142.8
Sharp	ND-162U1Y	162W Polycrystalline Module	N	142.8
Sharp	ND-162U2	162W Polycrystalline Module	N	142.8
Sharp	NE-165U1	165W Polycrystalline Module, Flat Screw	N	144.6
Sharp	NE-165U5	165W Polycrystalline Module	N	144.6
Sharp	NE-165UC1	165W Polycrystalline Module, Locking Connect	N	144.6
Sharp	ND-167U1	167W Polycrystalline Module	N	147.3
Sharp	ND-167U1F	167W Polycrystalline Module	N	147.3
Sharp	ND-167U1Y	167W Polycrystalline Module	N	147.3
Sharp	ND-167U2	167W Polycrystalline Module	N	147.3

Sharp	ND-167U3A	167W Polycrystalline Module	N	147.3
Sharp	ND-167UC1	167W Polycrystalline Module, Locking Connect	N	147.3
Sharp	NE-170U1	170W Polycrystalline Module	N	149.1
Sharp	NE-170UC1	170W Polycrystalline Module, Locking Connect	N	149.1
Sharp	NT-170U1	170W Monocrystalline Module	N	147.3
Sharp	NT-170UC1	170W Monocrystalline Module, Locking Conne	N	147.3
Sharp	NT-175U1	175W Monocrystalline Module	N	151.8

Sharp	NT-175UC1	175W Monocrystalline Module, Locking Conne	N	151.8
Sharp	ND-176U1Y	176W Polycrystalline Module	N	152.4
Sharp	ND-176UC1	176W Polycrystalline Module, Locking Connect	N	152.4
Sharp	NT-180U1	180W Monocrystalline Module	N	156.3
Sharp	ND-181U1	181W Polycrystalline Module	N	159.3
Sharp	ND-181U1F	181W Polycrystalline Module	N	159.3
Sharp	ND-181U2	181W Polycrystalline Module	N	159.3
Sharp	ND-187U1	187W Polycrystalline Module	N	164.7
Sharp	ND-187U1F	187W Polycrystalline Module	N	164.7
Sharp	ND-187U2	187W Polycrystalline Module	N	164.7
Sharp	ND-187UC1	187W Polycrystalline Module, Locking Connect	N	164.7
Sharp	ND-198U1F	198W Polycrystalline Module	N	170.5
Sharp	ND-198UC1	198W Polycrystalline Module, Locking Connect	N	170.5
Sharp	ND-200U1	200W Polycrystalline Module	N	173.0
Sharp	ND-200U1F	200W Polycrystalline Module	N	173.0
Sharp	ND-200U2	200W Polycrystalline Module	N	173.0
Sharp	ND-200UC1	200W Polycrystalline Module, Locking Connect	N	173.0
Sharp	ND-208U1	208W Polycrystalline Module	N	180.1
Sharp	ND-208U1F	208W Polycrystalline Module	N	180.1
Sharp	ND-208U2	208W Polycrystalline Module	N	180.1
Sharp	ND-208UC1	208W Polycrystalline Module, Locking Connect	N	180.1
Sharp	ND-216U1F	216W Polycrystalline Module	N	185.0
Sharp	ND-216U2	216W Polycrystalline Module	N	187.3
Sharp	ND-216UC1	216W Polycrystalline Module, Locking Connect	N	185.0
Sharp	ND-U216C1	216W Polycrystalline Module, Locking Connect	N	185.0
Sharp	ND-220U1F	220W Polycrystalline Module	N	188.5
Sharp	ND-220UC1	220W Polycrystalline Module, Locking Connect	N	188.5

		Locking Connect		
Sharp	ND-224U1F	224W Polycrystalline Module	N	192.6
Sharp	ND-224UC1	224W Polycrystalline Module, Locking Connect	N	192.6
Sharp	ND-U224C1	224W Polycrystalline Module, Locking Connect	N	192.6
Sharp	ND-U230C1	230W Polycrystalline Module, Locking Connect	N	198.0
Sharp	ND-V230A1	230W Polycrystalline Module	N	198.0
Sharp	NU-U230F3	230W Monocrystalline Module, Locking Conen	N	207.1

Sharp	NU-U235F1	235W Monocrystalline Module, Locking Conen	N	211.7
Siliken	SLK60P6L 215 Wp	215W Polycrystalline Module	N	192.4
Siliken	SLK60P6L 220 Wp	220W Polycrystalline Module	N	197.0
Siliken	SLK60P6L 225 Wp	225W Polycrystalline Module	N	201.5
Siliken	SLK60P6L 230 Wp	230W Polycrystalline Module	N	206.1
Siliken	SLK60P6L 235 Wp	235W Polycrystalline Module	N	210.7
Siliken California	SLK60P6L 215 Wp	215W Polycrystalline Module	N	192.4
Siliken California	SLK60P6L 220 Wp	220W Polycrystalline Module	N	197.0
Siliken California	SLK60P6L 225 Wp	225W Polycrystalline Module	N	201.5
Siliken California	SLK60P6L 230 Wp	230W Polycrystalline Module	N	206.1
Siliken California	SLK60P6L 235 Wp	235W Polycrystalline Module	N	210.7
Silray	SR-180	180W Monocrystalline Module	N	159.7
Sintek Photronic	STK-S6C2PE-A	175W Polycrystalline Module	N	155.9
Sintek Photronic	STK-S6C1ME-A	180W Monocrystalline Module	N	159.7
Sintek Photronic	STK-S6B1PE-A	200W Polycrystalline Module	N	173.9
Sintek Photronic	STK-S6B1ME-A	205W Monocrystalline Module	N	182.5
Solar Integrated Technologies	SI-G1 288	288W Thin Film Roofing Membrane	Y	260.0
Solar Integrated Technologies	SI-T1 288	288W Thin Film Roofing Membrane	Y	260.0
Solar Integrated Technologies	SI-G1 576	576W Thin Film Roofing Membrane	Y	519.9
Solar Integrated Technologies	SI-T1 576	576W Thin Film Roofing Membrane	Y	519.9
Solar Integrated Technologies	SI-G1 720	720W Thin Film Roofing Membrane	Y	649.9
Solar Integrated Technologies	SI-G1 864	864W Thin Film Roofing Membrane	Y	779.8
Solar Power (SPI)	SP165FM52	165W Monocrystalline Module	N	149.8
Solar Power (SPI)	SP170FM22	170W Monocrystalline Module	N	146.6
Solar Power (SPI)	SP170FM52	170W Monocrystalline Module	N	154.5
Solar Power (SPI)	SP175FM52	175W Monocrystalline Module	N	159.1
Solar Power (SPI)	SP190FM52	190W Monocrystalline Module	N	171.8
Solar Power (SPI)	SP190FP12	190W Polycrystalline Module	N	173.8
Solar Power (SPI)	SP190FP52	190W Polycrystalline Module	N	170.4
Solar Power (SPI)	SP195FM52	195W Monocrystalline Module	N	176.4
Solar Power (SPI)	SP195FP12	195W Polycrystalline Module	N	178.5
Solar Power (SPI)	SP195FP52	195W Polycrystalline Module	N	175.0

Solar Power (SPI)	SP200FM52	200W Monocrystalline Module	N	181.0
Solar Power (SPI)	SP200FP12	200W Polycrystalline Module	N	183.1
Solar Power (SPI)	SP200FP52	200W Polycrystalline Module	N	179.6
Solar Power (SPI)	SP205FM52	205W Monocrystalline Module	N	185.7
Solar Power (SPI)	SP205FP12	205W Polycrystalline Module	N	187.8
Solar Power (SPI)	SP205FP52	205W Polycrystalline Module	N	184.2
Solar Power Industries	SPI-M190-60	190W Polycrystalline Module	N	168.1
Solar Power Industries	SPI-M200-60	200W Polycrystalline Module	N	177.1
Solarfun Power	SF160-24-M150	150W Monocrystalline Module	N	133.6

Solarfun Power	SF160-24-M155	155W Monocrystalline Module	N	138.1
Solarfun Power	SF160-24-M160	160W Monocrystalline Module	N	142.7
Solarfun Power	SF160-24-M165	165W Monocrystalline Module	N	147.2
Solarfun Power	SF160-24-M170	170W Monocrystalline Module	N	151.8
Solarfun Power	SF190-27-P170	170W Polycrystalline Module	N	150.4
Solarfun Power	SF160-24-M175	175W Monocrystalline Module	N	156.4
Solarfun Power	SF190-27-P175	175W Polycrystalline Module	N	155.0
Solarfun Power	SF160-24-M180	180W Monocrystalline Module	N	161.0
Solarfun Power	SF190-27-P180	180W Polycrystalline Module	N	159.5
Solarfun Power	SF160-24-M185	185W Monocrystalline Module	N	165.6
Solarfun Power	SF190-27-P185	185W Polycrystalline Module	N	164.0
Solarfun Power	SF190-27-P190	190W Polycrystalline Module	N	168.6
Solarfun Power	SF190-27-P195	195W Polycrystalline Module	N	173.1
Solarfun Power	SF190-27-P200	200W Polycrystalline Module	N	177.7
Solarfun Power	SF190-27-P205	205W Polycrystalline Module	N	182.3
Solarfun Power	SF190-27-P210	210W Polycrystalline Module	N	186.8
Solartech Power	SPM190P	190W Polycrystalline Module, Framed	N	159.1
Solartech Power	SPM195P	195W Polycrystalline Module, Framed	N	163.5
Solartech Power	SPM200P	200W Polycrystalline Module, Framed	N	167.8
Solartech Power	SPM205P	205W Polycrystalline Module, Framed	N	172.1
Solartech Power	SPM210P	210W Polycrystalline Module, Framed	N	176.5
SolarWorld	SW165 mono	165W Monocrystalline Module	N	147.4
SolarWorld	SW175 mono	175W Monocrystalline Module	N	156.6
SolarWorld	SW220 mono	220W Monocrystalline Module	N	196.5
SolarWorld	SW230 mono	230W Monocrystalline Module	N	203.6
Solon Fuer Solartechnik	P220/6+/01 215Wp	215W Polycrystalline Module	N	189.8
Solon Fuer Solartechnik	P220/6+/01 220Wp	220W Polycrystalline Module	N	194.3
Solon Fuer Solartechnik	P220/6+/01 225Wp	225W Polycrystalline Module	N	198.9
Solon Fuer Solartechnik	P220/6+/01 230Wp	230W Polycrystalline Module	N	203.4

Solon Fuer Solartechnik	P220/6+/01 235Wp	235W Polycrystalline Module	N	208.0
Solyndra	SL-001-135	135W Thin Film Module	N	126.7
Solyndra	SL-001-135N	135W Thin Film Module	N	126.7
Solyndra	SL-001-135U	135W Thin Film Module	N	126.7
Solyndra	SL-001-150	150W Thin Film Module	N	141.0
Solyndra	SL-001-150N	150W Thin Film Module	N	141.0
Solyndra	SL-001-150U	150W Thin Film Module	N	141.0
Solyndra	SL-001-157	157W Thin Film Module	N	147.6
Solyndra	SL-001-157N	157W Thin Film Module	N	147.6

Solyndra	SL-001-157U	157W Thin Film Module	N	147.6
Solyndra	SL-001-165	165W Thin Film Module	N	155.2
Solyndra	SL-001-165N	165W Thin Film Module	N	155.2
Solyndra	SL-001-165U	165W Thin Film Module	N	155.2
Solyndra	SL-001-173	173W Thin Film Module	N	162.8
Solyndra	SL-001-173N	173W Thin Film Module	N	162.8
Solyndra	SL-001-173U	173W Thin Film Module	N	162.8
Solyndra	SL-001-182	182W Thin Film Module	N	171.4
Solyndra	SL-001-182N	182W Thin Film Module	N	171.4
Solyndra	SL-001-182U	182W Thin Film Module	N	171.4
Solyndra	SL-001-191	191W Thin Film Module	N	179.9
Solyndra	SL-001-191N	191W Thin Film Module	N	179.9
Solyndra	SL-001-191U	191W Thin Film Module	N	179.9
Solyndra	SL-001-200	200W Thin Film Module	N	188.5
Solyndra	SL-001-200N	200W Thin Film Module	N	188.5
Solyndra	SL-001-200U	200W Thin Film Module	N	188.5
Sun Energy Engineering	SE14-52	52W Polycrystalline Waterproof Integrated PV	Y	41.2
SUNGEN International	SGM-165D	165W Monocrystalline Module	N	147.3
SUNGEN International	SGM-170D	170W Monocrystalline Module	N	151.8
SUNGEN International	SGM-175D	175W Monocrystalline Module	N	156.4
SUNGEN International	SGM-180D	180W Monocrystalline Module	N	161.0
SunPower	PL-PLT-63L-BLK-U	63W Monocrystalline Module, SunTile	Y	55.1
SunPower	SPR-76R-BLK-U	76W Monocrystalline Module, SunTile	Y	64.9
SunPower	SPR-200-BLK-U	200W Monocrystalline Module, Framed, Grid C	N	179.7
SunPower	SPR-200-WHT-U	200W Monocrystalline Module, Framed, Grid C	N	181.5
SunPower	SPR-205-BLK-U	205W Monocrystalline Module, Framed, Grid C	N	184.3
SunPower	SPR-210-BLK-U	210W Monocrystalline Module, Framed, Grid C	N	188.9
SunPower	SPR-210-WHT-U	210W Monocrystalline Module,	N	188.9

SunPower	SPR-210-WHT-U	Framed, Grid C	N	190.8
SunPower	SPR-215-WHT-U	215W Monocrystalline Module, Framed, Grid C	N	195.5
SunPower	SPR-217-WHT-U	217W Monocrystalline Module, Framed, Grid C	N	197.4
SunPower	SPR-220-BLK-U	220W Monocrystalline Module, Framed, Grid C	N	198.2
SunPower	SPR-220-WHT-U	220W Monocrystalline Module, Framed, Grid C	N	200.2
SunPower	SPR-225-BLK-U	225W Monocrystalline Module, Framed, Grid C	N	202.9

SunPower	SPR-230-WHT-U	230W Monocrystalline Module, Framed, Grid C	N	209.5
SunPower	PL-SUNP-SPR-290	290W Monocrystalline Module, Laminate, Grid	N	266.4
SunPower	SPR-290-WHT-U	290W Monocrystalline Module, Framed, Grid C	N	266.4
SunPower	T5-SPR-290	290W Monocrystalline Module, Integrated Lami	N	266.4
SunPower	PL-SUNP-SPR-305	305W Monocrystalline Module, Laminate, Grid	N	280.6
SunPower	SPR-305-WHT-U	305W Monocrystalline Module, Framed, Grid C	N	280.6
SunPower	T5-SPR-305	305W Monocrystalline Module, Integrated Lami	N	280.6
SunPower	PL-SUNP-SPR-310	310W Monocrystalline Module, Laminate, Grid	N	285.3
SunPower	SPR-310-WHT-U	310W Monocrystalline Module, Framed, Grid C	N	285.3
SunPower	T5-SPR-310	310W Monocrystalline Module, Integrated Lami	N	285.3
SunPower	PL-SUNP-SPR-315E	315W Monocrystalline Module, Laminate, Grid	N	290.0
SunPower	SPR-315E-WHT-D	315W Monocrystalline Module, Framed, Grid C	N	290.0
SunPower	SPR-315E-WHT-U	315W Monocrystalline Module, Framed, Grid C	N	290.0
SunPower	T5-SPR-315	315W Monocrystalline Module, Integrated Lami	N	290.0
Suntech Power	STP115D-12/VEC	115W Polycrystalline Module, MC Connectors,	N	102.4
Suntech Power	STP115D-12/VED	115W Polycrystalline Module, MC Connectors,	N	102.4
Suntech Power	STP120D-12/VEC	120W Polycrystalline Module, MC Connectors,	N	106.9
Suntech Power	STP120D-12/VED	120W Polycrystalline Module, MC Connectors,	N	106.9
Suntech Power	STP125D-12/VEC	125W Polycrystalline Module, MC Connectors,	N	111.4
Suntech Power	STP125D-12/VED	125W Polycrystalline Module, MC	N	111.4

Suntech Power	STP120D-12/VEC	Connectors,	N	111.4
Suntech Power	STP130D-12/VEC	130W Polycrystalline Module, MC Connectors,	N	113.7
Suntech Power	STP130D-12/VED	130W Polycrystalline Module, MC Connectors,	N	113.7
Suntech Power	STP135D-12/VEC	135W Polycrystalline Module, MC Connectors,	N	118.2
Suntech Power	STP135D-12/VED	135W Polycrystalline Module, MC Connectors,	N	118.2
Suntech Power	STP160S-24/Ab-1	160W Monocrystalline Module, MC Connectors	N	138.6

Suntech Power	STP160S-24/Ab-1 Black	160W Monocrystalline Module, MC Connectors	N	138.4
Suntech Power	STP165S-24/Ab-1	165W Monocrystalline Module, MC Connectors	N	143.0
Suntech Power	STP165S-24/Ab-1 Black	165W Monocrystalline Module, MC Connectors	N	142.8
Suntech Power	STP170S-24/Ab-1	170 Watt Monocrystalline Module, MC Connect	N	151.4
Suntech Power	STP170S-24/Ab-1 Black	170 Watt Monocrystalline Module, MC Connect	N	152.9
Suntech Power	STP175S-24/Ab-1	175 Watt Monocrystalline Module, MC Connect	N	156.0
Suntech Power	STP175S-24/Ab-1 Black	175 Watt Monocrystalline Module, MC Connect	N	157.5
Suntech Power	STP180-18/Ub-1	180W Polycrystalline Module, MC Connectors	N	158.4
Suntech Power	STP180S-24/Ab-1	180 Watt Monocrystalline Module, MC Connect	N	160.5
Suntech Power	STP180S-24/Ab-1 Black	180 Watt Monocrystalline Module, MC Connect	N	162.1
Suntech Power	STP185S-24/Ab-1	185W Monocrystalline Module, MC Connectors	N	161.9
Suntech Power	STP190-18/UB-1	190 Watt Polycrystalline Module, MC Connecto	N	166.3
Suntech Power	STP200-18/UB-1	200 Watt Polycrystalline Module, MC Connecto	N	175.3
Suntech Power	STP210-18/UB-1	210 Watt Polycrystalline module with MC Conn	N	184.4
Suntech Power	STP230D-12/VEC	230W Polycrystalline Module, MC Connectors,	N	201.6
Suntech Power	STP230D-12/VED	230W Polycrystalline Module, MC Connectors,	N	201.6
Suntech Power	STP240D-12/VEC	240W Polycrystalline Module, MC Connectors,	N	210.6
Suntech Power	STP240D-12/VED	240W Polycrystalline Module, MC Connectors,	N	210.6
Suntech Power	STP250-24/Vb-1	250W Polycrystalline Module, MC Connectors	N	222.2
Suntech Power	STP250D-12/VEC	250W Polycrystalline Module, MC Connectors	N	219.6

Suntech Power	STP250D-12/VED	250W Polycrystalline Module, MC Connectors,	N	219.6
Suntech Power	STP260-24/Vb-1	260W Polycrystalline Module with MC Connect	N	235.4
Suntech Power	STP260D-12/VEC	260W Polycrystalline Module, MC Connectors,	N	226.1
Suntech Power	STP260D-12/VED	260W Polycrystalline Module, MC Connectors,	N	226.1
Suntech Power	STP270-24/Vb-1	270W Polycrystalline Module with MC Connect	N	244.7
Suntech Power	STP270D-12/VEC	270W Polycrystalline Module, MC Connectors,	N	235.1
Suntech Power	STP270D-12/VED	270W Polycrystalline Module, MC Connectors,	N	235.1
Suntech Power	STP280-24/Vb-1	280W Polycrystalline Module with MC Connect	N	254.0
Suntech Power	STP050D-5/ZCB	50W Polycrystalline Waterproof Built-in PV Ro	Y	40.4
Suntech Power	STP050D-5/ZCF	50W Polycrystalline Waterproof Built-in PV Ro	Y	40.4
Suntech Power	STP050D-5/ZCG	50W Polycrystalline Waterproof Built-in PV Ro	Y	40.4
Symphony Energy	SE-M215Gy	215W Polycrystalline Module	N	195.4
Symphony Energy	SE-M216Gy	216W Polycrystalline Module	N	196.4
Symphony Energy	SE-M217Gy	217W Polycrystalline Module	N	197.3
Symphony Energy	SE-M218Gy	218W Polycrystalline Module	N	198.2
Symphony Energy	SE-M219Gy	219W Polycrystalline Module	N	199.2
Symphony Energy	SE-M220Gy	220W Polycrystalline Module	N	200.1
Symphony Energy	SE-M221Gy	221W Polycrystalline Module	N	201.0
Symphony Energy	SE-M222Gy	222W Polycrystalline Module	N	202.0
Symphony Energy	SE-M223Gy	223W Polycrystalline Module	N	202.9
Symphony Energy	SE-M224Gy	224W Polycrystalline Module	N	203.8
Symphony Energy	SE-M225Gy	225W Polycrystalline Module	N	204.7
Symphony Energy	SE-M226Gy	226W Polycrystalline Module	N	205.7
Symphony Energy	SE-M227Gy	227W Polycrystalline Module	N	206.6
Symphony Energy	SE-M228Gy	228W Polycrystalline Module	N	207.5
Symphony Energy	SE-M229Gy	229W Polycrystalline Module	N	208.5
Symphony Energy	SE-M230Gy	230W Polycrystalline Module	N	209.4
Symphony Energy	SE-M231Gy	231W Polycrystalline Module	N	210.3
Symphony Energy	SE-M232Gy	232W Polycrystalline Module	N	211.3
Symphony Energy	SE-M233Gy	233W Polycrystalline Module	N	212.2
Symphony Energy	SE-M234Gy	234W Polycrystalline Module	N	213.1
Symphony Energy	SE-M235Gy	235W Polycrystalline Module	N	214.1
Tianwei New Energy (Chengdu) PV Modul	TW155(35)D	155W Monocrystalline Module	N	135.1

Tianwei New Energy (Chengdu) PV Modul	TW160(35)D	160W Monocrystalline Module	N	139.5
Tianwei New Energy (Chengdu) PV Modul	TW165(35)D	165W Monocrystalline Module	N	144.0
Tianwei New Energy (Chengdu) PV Modul	TW170(35)D	170W Monocrystalline Module	N	148.5
Tianwei New Energy (Chengdu) PV Modul	TW175(35)D	175W Monocrystalline Module	N	153.0
Tianwei New Energy (Chengdu) PV Modul	TW180(28)P	180W Polycrystalline Module	N	155.6
Tianwei New Energy (Chengdu) PV Modul	TW185(35)D	180W Monocrystalline Module	N	157.5
Tianwei New Energy (Chengdu) PV Modul	TW185(28)P	185W Polycrystalline Module	N	160.1
Tianwei New Energy (Chengdu) PV Modul	TW185(35)D	185W Monocrystalline Module	N	162.1
Tianwei New Energy (Chengdu) PV Modul	TW190(28)P	190W Polycrystalline Module	N	164.5
Tianwei New Energy (Chengdu) PV Modul	TW195(28)P	195W Polycrystalline Module	N	169.0
Tianwei New Energy (Chengdu) PV Modul	TW200(28)P	200W Polycrystalline Module	N	173.4
Tianwei New Energy (Chengdu) PV Modul	TW205(28)P	205W Polycrystalline Module	N	177.9
Tianwei New Energy (Chengdu) PV Modul	TW210(28)P	210W Polycrystalline Module	N	182.4
Tianwei New Energy (Chengdu) PV Modul	TW215(28)P	215W Polycrystalline Module	N	186.8
Tianwei New Energy (Chengdu) PV Modul	TW220(28)P	220W Polycrystalline Module	N	191.3
Tianwei New Energy (Chengdu) PV Modul	TW225(28)P	225W Polycrystalline Module	N	195.8
Tianwei New Energy (Chengdu) PV Modul	TW230(28)P	230W Polycrystalline Module	N	200.3
Tianwei New Energy (Chengdu) PV Modul	TW235(28)P	235W Polycrystalline Module	N	204.8
Titan Energy Systems	Titan S6-60	210W Monocrystalline Module	N	186.6
TynSolar	TYN-168P6	165W Polycrystalline Modle	N	142.1
TynSolar	TYN-170S5	170W Monocrystalline Module	N	149.2
TynSolar	TYN-180P6	175W Polycrystalline Module	N	151.0
TynSolar	TYN-180S5	175W Monocrystalline Module	N	153.7
United Solar Ovonic	PVL-29	29W Field Applied 3J a-Si Laminate	Y	26.1
United Solar Ovonic	PVL-31	31W Field Applied 3J a-Si Laminate	Y	28.0
United Solar Ovonic	PVL-33	33W Field Applied 3J a-Si Laminate	Y	29.8
United Solar Ovonic	PVL-58	58W Field Applied 3J a-Si Laminate	Y	52.3
United Solar Ovonic	PVL-62	62W Field Applied 3J a-Si Laminate	Y	56.0
United Solar Ovonic	PVL-64	64W Field Applied 3J a-Si Laminate	Y	57.7
United Solar Ovonic	PVL-66	66W Field Applied 3J a-Si Laminate	Y	59.6

United Solar Ovonic	PVL-68	68W Field Applied 3J a-Si Laminate	Y	61.4
United Solar Ovonic	PVL-72	72W Field Applied 3J a-Si Laminate	Y	65.0
United Solar Ovonic	PVL-116	116W Field Applied 3J a-Si Laminate	Y	104.7
United Solar Ovonic	PVL-124	124W Field Applied 3J a-Si Laminate	Y	112.0
United Solar Ovonic	PVL-128	128W Field Applied 3J a-Si Laminate	Y	115.5
United Solar Ovonic	PVL-131	131W Field Applied 3J a-Si Laminate	Y	118.2
United Solar Ovonic	PVL-136	136W Field Applied 3J a-Si Laminate	Y	122.8
United Solar Ovonic	PVL-144	144W Field Applied 3J a-Si Laminate	Y	130.1
Upsolar	UP-M165M	165W Monocrystalline Module	N	147.3
Upsolar	UP-M170M	170W Monocrystalline Module	N	151.8
Upsolar	UP-M175M	175W Monocrystalline Module	N	156.4
Upsolar	UP-M180M	180W Monocrystalline Module	N	161.0
Worldwide Energy & Mfg USA	AS-5M36-165W	165W Monocrystalline Module	N	146.0
Worldwide Energy & Mfg USA	AS-5M-170W	170W Monocrystalline Module	N	152.1
Worldwide Energy & Mfg USA	AS-5M36-170W	170W Monocrystalline Module	N	150.6
Worldwide Energy & Mfg USA	AS-6M24-170W	170W Monocrystalline Module	N	150.5
Worldwide Energy & Mfg USA	AS-6P24-170W	170W Polycrystalline Module	N	148.7
Worldwide Energy & Mfg USA	AS-5M-175W	175W Monocrystalline Module	N	156.7
Worldwide Energy & Mfg USA	AS-5M36-175W	175W Monocrystalline Module	N	155.1
Worldwide Energy & Mfg USA	AS-6M24-175W	175W Monocrystalline Module	N	155.0
Worldwide Energy & Mfg USA	AS-6P24-175W	175W Polycrystalline Module	N	153.2
Worldwide Energy & Mfg USA	AS-5M-180W	180W Monocrystalline Module	N	161.3
Worldwide Energy & Mfg USA	AS-5M36-180W	180W Monocrystalline Module	N	159.7
Worldwide Energy & Mfg USA	AS-6M24-180W	180W Monocrystalline Module	N	159.6
Worldwide Energy & Mfg USA	AS-6P24-180W	180W Polycrystalline Module	N	157.7
Worldwide Energy & Mfg USA	AS-5M36-185W	185W Monocrystalline Module	N	164.3
Worldwide Energy & Mfg USA	AS-6M24-185W	185W Monocrystalline Module	N	164.2
Worldwide Energy & Mfg USA	AS-6P24-185W	185W Polycrystalline Module	N	162.3
Worldwide Energy & Mfg USA	AS-6M24-190W	190W Monocrystalline Module	N	168.7
Worldwide Energy & Mfg USA	AS-6P24-190W	190W Polycrystalline Module	N	166.8
Worldwide Energy & Mfg USA	AS-6M30-220W	220W Monocrystalline Module	N	193.6
Worldwide Energy & Mfg USA	AS-6P30-220W	220W Polycrystalline Module	N	192.9
Worldwide Energy & Mfg USA	AS-6M30-230W	230W Monocrystalline Module	N	202.7
Worldwide Energy & Mfg USA	AS-6P30-230W	230W Polycrystalline Module	N	202.0
Worldwide Energy & Mfg USA	AS-6M30-240W	240W Monocrystalline Module	N	211.8
Worldwide Energy & Mfg USA	AS-6P30-240W	240W Polycrystalline Module	N	211.0
Wuxi Shangpin Solar Energy Science & Te	SPSM-165D	165W Monocrystalline Module	N	145.0

Wuxi Shangpin Solar Energy Science & Te	SPSM-170D	170W Monocrystalline Module	N	149.5
Wuxi Shangpin Solar Energy Science & Te	SPSM-175D	175W Monocrystalline Module	N	154.1
Wuxi Shangpin Solar Energy Science & Te	SPSM-180D	180W Monocrystalline Module	N	158.6
Yes! Solar	ES190W-NW	190W Polycrystalline Module	N	173.8
Yes! Solar	ES190W-RW	190W Polycrystalline Module	N	170.4
Yes! Solar	ES195W-NW	195W Polycrystalline Module	N	178.5
Yes! Solar	ES195W-RW	195W Polycrystalline Module	N	175.0

Yes! Solar	ES200W-NW	200W Polycrystalline Module	N	183.1
Yes! Solar	ES200W-RW	200W Polycrystalline Module	N	179.6
Yes! Solar	ES205W-NW	205W Polycrystalline Module	N	187.8
Yes! Solar	ES205W-RW	205W Polycrystalline Module	N	184.2
Yingli Green Energy	YL170P-23b	170W Polycrystalline Module	N	146.8
Yingli Green Energy	YL175(156)	175W Polycrystalline Module, High Transmissi	N	148.9
Yingli Green Energy	YL175P-23b	175W Polycrystalline Module	N	151.3
Yingli Green Energy	YL180P-23b	180W Polycrystalline Module	N	155.7
Yingli Green Energy	YL185P-23b	185W Polycrystalline Module	N	160.2
Yingli Green Energy	YL195P-26b	195W Polycrystalline Module	N	168.1
Yingli Green Energy	YL200P-26b	200W Polycrystalline Module	N	172.6
Yingli Green Energy	YL205P-26b	205W Polycrystalline Module	N	177.0
Yingli Green Energy	YL210P-26b	210W Polycrystalline Module	N	181.5
Yingli Green Energy	YL220P-29b	220W Polycrystalline Module, High Transmissi	N	194.6
Yingli Green Energy	YL225P-29b	225W Polycrystalline Module, High Transmissi	N	199.1
Yingli Green Energy	YL230P-29b	230W Polycrystalline Module, High Transmissi	N	203.7
Yingli Green Energy	YL235P-29b	235W Polycrystalline Module, High Transmissi	N	208.3
Yingli Green Energy	YL240P-32b	240W Polycrystalline Module	N	207.0
Yingli Green Energy	YL245P-32b	245W Polycrystalline Module	N	211.5
Yingli Green Energy	YL250P-32b	250W Polycrystalline Module	N	216.0
Yingli Green Energy	YL255P-32b	255W Polycrystalline Module	N	220.4
Yingli Green Energy	YL260P-35b	260W Polycrystalline Module	N	225.4
Yingli Green Energy	YL265P-35b	265W Polycrystalline Module	N	229.9
Yingli Green Energy	YL270P-35b	270W Polycrystalline Module	N	234.4
Yingli Green Energy	YL275P-35b	275W Polycrystalline Module	N	238.9
Yingli Green Energy	YL280P-35b	280W Polycrystalline Module	N	243.4
Yunnan Tianda Photovoltaic	TD160M5	160W Monocrystalline Module	N	139.0
Yunnan Tianda Photovoltaic	TD165M5	165W Monocrystalline Module	N	143.5
Yunnan Tianda Photovoltaic	TD170M5	170W Monocrystalline Module	N	148.0

Yunnan Tianda Photovoltaic	TD175M5	175W Monocrystalline Module	N	152.5
Yunnan Tianda Photovoltaic	TD180M5	180W Monocrystalline Module	N	157.0
Zerquest Solar	Zp170	170W Monocrystalline Module	N	143.5
Zhejiang ERA Solar Technology	ESPSA-170	170W Monocrystalline Module	N	154.7
Zhejiang ERA Solar Technology	ESPSA-175	175W Monocrystalline Module	N	159.4
Zhejiang ERA Solar Technology	ESPSA-180	180W Monocrystalline Module	N	164.1
Zhejiang Global Photovoltaic	GSM-155	155W Monocrystalline Module	N	135.4

Technology				
Zhejiang Global Photovoltaic Technology	GSM-160	160W Monocrystalline Module	N	139.9
Zhejiang Global Photovoltaic Technology	GSM-165	165W Monocrystalline Module	N	144.4
Zhejiang Global Photovoltaic Technology	GSM-170	170W Monocrystalline Module	N	148.9
Zhejiang Global Photovoltaic Technology	GSM-175	175W Monocrystalline Module	N	153.4
Zhejiang Global Photovoltaic Technology	GSM-180	180W Monocrystalline Module	N	157.9
Zhejiang Sunflower Light Energy Science Technology	SF125x125-72-M-150W	150W Monocrystalline Module	N	132.0
Zhejiang Sunflower Light Energy Science Technology	SF125x125-72-M-155W	155W Monocrystalline Module	N	136.5
Zhejiang Sunflower Light Energy Science Technology	SF125x125-72-M-160W	160W Monocrystalline Module	N	141.0
Zhejiang Sunflower Light Energy Science Technology	SF125x125-72-M-165W	165W Monocrystalline Module	N	145.5
Zhejiang Sunflower Light Energy Science Technology	SF125x125-72-M-170W	170W Monocrystalline Module	N	150.1
Zhejiang Sunflower Light Energy Science Technology	SF125x125-72-M-175W	175W Monocrystalline Module	N	154.6
Zhejiang Sunflower Light Energy Science Technology	SF125x125-72-M-180W	180W Monocrystalline Module	N	159.2
Zhejiang Sunflower Light Energy Science Technology	SF125x125-72-M-185W	185W Monocrystalline Module	N	163.7

Archive of the [Prior List of Photovoltaic Modules](#) Expired July 1, 2009. (Adobe PDF, 64 pages, 384 kilobytes)

* BIPV = Building Integrated Photovoltaics

** In the New Solar Homes Partnership (NSHP), the incentive is based on expected kWh generation with a time dependent weighting, via the CECPV Calculator. The CECPV Calculator shall be used to determine the incentive under NSHP as the PTC rating is not used in the NSHP incentive calculation.

PTC refers to PVUSA Test Conditions, which were developed to test and compare PV systems as part of the PVUSA (Photovoltaics for Utility Scale Applications) project. PTC are 1,000 Watts per square meter solar irradiance, 20 degrees C air temperature, and wind speed of 1 meter per second at 10 meters above ground level. PV manufacturers use Standard Test Conditions, or STC, to rate their PV products. STC are 1,000 Watts per square meter solar irradiance, 25 degrees C cell temperature, air mass equal to 1.5, and ASTM G173-03 standard spectrum. The PTC rating, which is lower than the STC rating, is generally recognized as a more realistic measure

spectrum. The PTC rating, which is lower than the STC rating, is generally recognized as a more realistic measure of PV output because the test conditions better reflect "real-world" solar and climatic conditions, compared to the STC rating. All ratings in the list are DC (direct current) watts.

Neither PTC nor STC account for all "real-world" losses. Actual solar systems will produce lower outputs due to soiling, shading, module mismatch, wire losses, inverter and transformer losses, shortfalls in actual nameplate ratings, panel degradation over time, and high-temperature losses for arrays mounted close to or integrated within a roofline. These loss factors can vary by season, geographic location, mounting technique, azimuth, and array tilt. Examples of estimated losses from varying factors can be found at:

http://rredc.nrel.gov/solar/codes_algs/PVWATTS/system.html.