

2017 60-Cell PV Module Specifications

Manufacturer	Model	Cell type	Rated power at STC (Wp)	Rated power tolerance (W or %)	Rated power per sq. ft. (W)	Module efficiency (%)	Max. system voltage UL (Vdc)	Max. power voltage (Vmp)	Max. power current (Imp)	Open-circuit voltage (Voc)	Short-circuit current (Isc)
Auxin Solar	AXN6P610T275	poly	275	0/+3%	15.70	16.9	1,000	32.4	8.49	38.91	9.10
Auxin Solar	AXN6P610T280	poly	280	0/+3%	15.99	17.2	1,000	32.64	8.58	39.24	9.24
Auxin Solar	AXN6P610T285	poly	285	0/+3%	16.27	17.5	1,000	32.89	8.67	39.57	9.38
Auxin Solar	AXN6P610T290	poly	290	0/+3%	16.56	17.8	1,000	33.14	8.75	39.91	9.52
Auxin Solar	AXN6M610T290	mono	290	0/+3%	16.56	17.8	1,000	32	9.06	39.77	9.62
Auxin Solar	AXN6M610T295	mono	295	0/+3%	16.84	18.1	1,000	32.24	9.15	40.11	9.77
Auxin Solar	AXN6M610T300	mono	300	0/+3%	17.13	18.4	1,000	32.48	9.24	40.45	9.91
Auxin Solar	AXN6M610T305	mono	305	0/+3%	17.41	18.7	1,000	32.73	9.32	40.79	10.06
AXITEC	AC-260M/156-60S	mono	260	0/+5 W	14.84	15.98	1,000	30.42	8.6	38.3	9.06
AXITEC	AC-265M/156-60S	mono	265	0/+5 W	15.13	16.29	1,000	30.85	8.65	38.42	9.2
AXITEC	AC-270M/156-60S	mono	270	0/+5 W	15.42	16.6	1,000	30.94	8.8	39.26	9.41
AXITEC	AC-275M/156-60S	mono	275	0/+5 W	15.70	16.9	1,000	31.2	8.86	39.32	9.5
AXITEC	AC-280M/156-60S	mono	280	0/+5 W	15.99	17.21	1,000	31.5	8.95	39.45	9.55
AXITEC	AC-285M/156-60S	mono	285	0/+5 W	16.27	17.52	1,000	31.59	9.09	39.56	9.68
AXITEC	AC-290M/156-60S	mono	290	0/+5 W	16.56	17.83	1,000	31.71	9.16	39.7	9.7
AXITEC	AC-270M/156-60S	mono	270	0/+5 W	15.42	16.6	1,000	30.94	8.8	39.26	9.41
AXITEC	AC-275M/156-60S	mono	275	0/+5 W	15.70	16.9	1,000	31.2	8.86	39.32	9.5
AXITEC	AC-280M/156-60S	mono	280	0/+5 W	15.99	17.21	1,000	31.5	8.95	39.45	9.55
AXITEC	AC-285M/156-60S	mono	285	0/+5 W	16.27	17.52	1,000	31.59	9.09	39.56	9.68
AXITEC	AC-290M/156-60S	mono	290	0/+5 W	16.56	17.83	1,000	31.71	9.16	39.7	9.7
Boviet Solar	BVM6610P-260	poly	260	0/+5 W	14.84	16	1,000	30.6	8.5	37.9	8.98
Boviet Solar	BVM6610P-265	poly	265	0/+5 W	15.13	16.3	1,000	30.8	8.61	38.1	9.07
Boviet Solar	BVM6610P-270	poly	270	0/+5 W	15.42	16.6	1,000	31	8.71	38.3	9.16
Boviet Solar	BVM6610P-275	poly	275	0/+5 W	15.70	16.9	1,000	31.2	8.82	38.5	9.25
Boviet Solar	BVM6610P-280	poly	280	0/+5 W	15.99	17.2	1,000	31.4	8.92	38.7	9.34
Boviet Solar	BVM6610M-280	mono	280	0/+5 W	15.99	17.2	1,000	31.7	8.84	38.8	9.4
Boviet Solar	BVM6610M-285	mono	285	0/+5 W	16.27	17.5	1,000	32	8.91	39.2	9.47
Boviet Solar	BVM6610M-290	mono	290	0/+5 W	16.56	17.8	1,000	32.3	8.98	39.6	9.54
Boviet Solar	BVM6610M-295	mono	295	0/+5 W	16.84	18.1	1,000	32.6	9.05	40	9.62
Canadian Solar	CS6K-260P-FG ¹	poly	260	0/+5 W	14.66	15.81	1,000	30.4	8.56	37.5	9.12
Canadian Solar	CS6K-265P-FG ¹	poly	265	0/+5 W	14.95	16.11	1,000	30.6	8.66	37.7	9.23
Canadian Solar	CS6K-270P-FG ¹	poly	270	0/+5 W	15.23	16.42	1,000	30.8	8.75	37.9	9.32
Canadian Solar	CS6K-275P-FG ¹	poly	275	0/+5 W	15.51	16.72	1,000	31	8.88	38	9.45
Canadian Solar	CS6K-265P	poly	265	0/+5 W	15.01	16.19	1,000	30.6	8.66	37.7	9.23
Canadian Solar	CS6K-270P	poly	270	0/+5 W	15.30	16.5	1,000	30.8	8.75	37.9	9.32
Canadian Solar	CS6K-275P	poly	275	0/+5 W	15.58	16.8	1,000	31	8.88	38	9.45
Canadian Solar	CS6K-275M	mono	275	0/+5 W	15.58	16.8	1,500	31.3	8.8	38.3	9.31
Canadian Solar	CS6K-280M	mono	280	0/+5 W	15.86	17.11	1,500	31.5	8.89	38.5	9.43

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Canadian Solar	CS6K-285M	mono	285	0/+5 W	16.15	17.41	1,500	31.7	8.98	38.6	9.51
Canadian Solar	CS6K-270M Black	mono	270	0/+5 W	15.30	16.5	1,000	31.1	8.67	38.2	9.19
Canadian Solar	CS6K-275M Black	mono	275	0/+5 W	15.58	16.8	1,000	31.3	8.8	38.3	9.31
Canadian Solar	CS6K-280M Black	mono	280	0/+5 W	15.86	17.11	1,000	31.5	8.89	38.5	9.43
Canadian Solar	CS6K-290MS	mono	290	0/+5 W	16.43	17.72	1,000	32.1	9.05	39.3	9.67
Canadian Solar	CS6K-295MS	mono	295	0/+5 W	16.71	18.02	1,000	32.3	9.14	39.5	9.75
Canadian Solar	CS6K-300MS	mono	300	0/+5 W	17.00	18.33	1,000	32.5	9.24	39.7	9.83
Centrosolar America	CP60 260BW	poly	260	0/+5 W	14.85	16	1,000	30.93	8.43	37.67	8.83
Centrosolar America	CP60 270BW	poly	270	0/+5 W	15.42	16.6	1,000	31.04	8.73	38.39	9.15
Centrosolar America	CM60 265BB	mono	265	0/+5 W	15.13	16.3	1,000	30.98	8.56	38.29	9.08
Centrosolar America	CM60 270BB	mono	270	0/+5 W	15.42	16.6	1,000	31.15	8.67	38.37	9.23
Centrosolar America	CM60 275BB	mono	275	0/+5 W	15.70	16.9	1,000	31.43	8.75	38.74	9.3
Centrosolar America	CM60 280BB	mono	280	0/+5 W	15.99	17.2	1,000	31.69	8.84	39.05	9.39
Centrosolar America	CM60 285BB	mono	285	0/+5 W	16.27	17.5	1,000	31.81	8.96	39.16	9.49
Centrosolar America	CM60 290BB	mono	290	0/+5 W	16.56	17.8	1,000	32.02	9.06	39.31	9.59
Centrosolar America	BM60 260BB	mono	260	0/+5 W	15.02	15.51	1,000	30.7	8.56	38.9	9.18
Centrosolar America	BM60 265BB	mono	265	0/+5 W	15.31	15.81	1,000	30.8	8.69	39	9.31
Centrosolar America	BM60 270BB	mono	270	0/+5 W	15.60	16.1	1,000	30.9	8.81	39.2	9.44
Centrosolar America	BM60 275BB	mono	275	0/+5 W	15.89	16.4	1,000	31	8.94	39.4	9.58
Centrosolar America	BM60 280BB	mono	280	0/+5 W	16.17	17	1,000	31.3	9.2	39.7	9.84
Centrosolar America	BM60 285BB	mono	285	0/+5 W	16.46	17.3	1,000	31.4	9.33	39.9	9.97
ET Solar	ET-P660260BB	poly	260	0/+5 W	14.84	15.98	1,000	30.59	8.5	38.16	9.07
ET Solar	ET-P660265BB	poly	265	0/+5 W	15.13	16.29	1,000	30.74	8.62	38.29	9.24
ET Solar	ET-P660270BB	poly	270	0/+5 W	15.42	16.6	1,000	30.97	8.72	38.72	9.31
ET Solar	ET-P660275BB	poly	275	0/+5 W	15.70	16.9	1,000	31.32	8.78	38.92	9.35
ET Solar	ET-P660265WW/WB	poly	265	0/+5 W	15.13	16.29	1,000	30.74	8.62	38.29	9.24
ET Solar	ET-P660270WW/WB	poly	270	0/+5 W	15.42	16.6	1,000	30.97	8.72	38.72	9.31
ET Solar	ET-P660275WW/WB	poly	275	0/+5 W	15.70	16.9	1,000	31.32	8.78	38.92	9.35
ET Solar	ET-P660280WW/WB	poly	280	0/+5 W	15.99	17.21	1,000	31.68	8.84	39.16	9.47
ET Solar	ET-M660265BB	mono	265	0/+5 W	15.13	16.29	1,000	30.64	8.65	38.29	9.1
ET Solar	ET-M660270BB	mono	270	0/+5 W	15.42	16.6	1,000	30.83	8.76	38.68	9.12
ET Solar	ET-M660275BB	mono	275	0/+5 W	15.70	16.9	1,000	30.97	8.88	39.08	9.14
ET Solar	ET-M660280BB	mono	280	0/+5 W	15.99	17.21	1,000	31.43	8.91	39.12	9.29
ET Solar	ET-M660285BB	mono	285	0/+5 W	16.27	17.52	1,000	31.85	8.95	39.18	9.46
ET Solar	ET-M660275WW/WB	mono	275	0/+5 W	15.70	16.9	1,000	30.97	8.88	39.08	9.14
ET Solar	ET-M660280WW/WB	mono	280	0/+5 W	15.99	17.21	1,000	31.43	8.91	39.12	9.29
ET Solar	ET-M660285WW/WB	mono	285	0/+5 W	16.27	17.52	1,000	31.85	8.95	39.18	9.46
ET Solar	ET-M660290WW/WB	mono	290	0/+5 W	16.56	17.83	1,000	32.12	9.03	39.68	9.59

Footnote Key

Representative models shown for vendors with large numbers of SKUs.

¹ Double-glass module

² Double-glass module, bifacial

DNR = Does not report

Nominal operating cell temp. (°C)	Pmp temp. coeff. (%/°C)	Voc temp. coeff. (%/°C)	Isc temp. coeff. (%/°C)	Series fuse rating (A)	Fire Type	Frame color	Backsheet color	Length (in.)	Width (in.)	Depth (in.)	Weight (lbs.)	Materials warranty (yrs.)	Power warranty (type, % at year)
45±2	-0.41	-0.31	0.05	15	1	black	white	65	39.1	1.57	40.1	10	linear, 82.5 @ 25
45±2	-0.41	-0.31	0.05	15	1	black	black	65	39.1	1.57	40.1	10	linear, 80.2 @ 25
45±2	-0.41	-0.31	0.05	15	1	black	black	65	39.1	1.57	40.1	10	linear, 80.2 @ 25
45±2	-0.41	-0.31	0.05	15	1	black	black	65	39.1	1.57	40.1	10	linear, 80.2 @ 25
45±2	-0.39	-0.30	0.05	15	1	black	white	65	39.1	1.57	40.1	10	linear, 80.2 @ 25
45±2	-0.39	-0.30	0.05	15	1	black	white	65	39.1	1.57	40.1	10	linear, 80.2 @ 25
45±2	-0.39	-0.30	0.05	15	1	black	white	65	39.1	1.57	40.1	10	linear, 80.2 @ 25
44±2	-0.42	-0.31	0.05	15	1	black	white	64.55	39.07	1.57	40.8	10	linear, 82.5 @ 25
44±2	-0.42	-0.31	0.05	15	1	black	white	64.55	39.07	1.57	40.8	10	linear, 82.5 @ 25
46±2	-0.43	-0.32	0.04	15	1	black	black	64.55	39.07	1.57	40.8	10	linear, 82.5 @ 25
46±2	-0.43	-0.32	0.04	15	1	black	black	64.55	39.07	1.57	40.8	10	linear, 82.5 @ 25
46±2	-0.43	-0.32	0.04	15	1	black	black	64.55	39.07	1.57	40.8	10	linear, 82.5 @ 25
46±2	-0.43	-0.32	0.04	15	1	black	black	64.55	39.07	1.57	40.8	10	linear, 82.5 @ 25
46±2	-0.43	-0.32	0.04	15	1	black	black	64.55	39.07	1.57	40.8	10	linear, 82.5 @ 25
46±2	-0.43	-0.32	0.04	15	1	black	black	64.55	39.07	1.57	40.8	10	linear, 82.5 @ 25
48	-0.43	-0.31	0.04	16	1	black	black	65.95	37.8	1.3	39.7	20	linear, 82.5 @ 25
48	-0.43	-0.31	0.04	16	1	black	black	65.95	37.8	1.3	39.7	20	linear, 82.5 @ 25
48	-0.43	-0.31	0.04	16	1	black	black	65.95	37.8	1.3	39.7	20	linear, 82.5 @ 25
48	-0.44	-0.31	0.04	25	1	black	black	65.95	37.8	1.3	39.7	20	linear, 82.5 @ 25
48	-0.44	-0.31	0.04	25	1	black	black	65.95	37.8	1.3	39.7	20	linear, 82.5 @ 25
48	-0.44	-0.31	0.04	25	1	black	black	65.95	37.8	1.3	39.7	20	linear, 82.5 @ 25
45±2	-0.41	-0.34	0.04	15	1	black	black	64.57	39.06	1.38	40.79	10	linear, 81.9 @ 25
45±2	-0.41	-0.34	0.04	15	1	black	black	64.57	39.06	1.38	40.79	10	linear, 81.9 @ 25
45±2	-0.41	-0.34	0.04	15	1	black	black	64.57	39.06	1.38	40.79	10	linear, 81.9 @ 25
45±2	-0.41	-0.34	0.04	15	1	black	black	64.57	39.06	1.38	40.79	10	linear, 81.9 @ 25
45±2	-0.41	-0.34	0.04	15	1	slv/blk	white	64.57	39.06	1.38	40.79	10	linear, 81.9 @ 25
45±2	-0.41	-0.34	0.04	15	1	slv/blk	white	64.57	39.06	1.38	40.79	10	linear, 81.9 @ 25
45±2	-0.41	-0.34	0.04	15	1	slv/blk	white	64.57	39.06	1.38	40.79	10	linear, 81.9 @ 25
45±2	-0.41	-0.34	0.04	15	1	slv/blk	white	64.57	39.06	1.38	40.79	10	linear, 81.9 @ 25
45±2	-0.43	-0.30	0.06	15	1	black	black	64.57	39.06	1.38	40.79	10	linear, 81.9 @ 25
45±2	-0.43	-0.30	0.06	15	1	black	black	64.57	39.06	1.38	40.79	10	linear, 81.9 @ 25
45±2	-0.43	-0.30	0.06	15	1	black	black	64.57	39.06	1.38	40.79	10	linear, 81.9 @ 25
45±2	-0.43	-0.30	0.06	15	1	black	black	64.57	39.06	1.38	40.79	10	linear, 81.9 @ 25
45±2	-0.43	-0.30	0.06	15	1	black	black	64.57	39.06	1.38	40.79	10	linear, 81.9 @ 25
45±2	-0.42	-0.30	0.05	15	1	slv/blk	white	64.57	39.06	1.38	40.79	10	linear, 81.9 @ 25
45±2	-0.42	-0.30	0.05	15	1	slv/blk	white	64.57	39.06	1.38	40.79	10	linear, 81.9 @ 25
45±2	-0.42	-0.30	0.05	15	1	slv/blk	white	64.57	39.06	1.38	40.79	10	linear, 81.9 @ 25
45±2	-0.42	-0.30	0.05	15	1	slv/blk	white	64.57	39.06	1.38	40.79	10	linear, 81.9 @ 25

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ET Solar	ET-M660295WW/WB	mono	295	0/+5 W	16.84	18.13	1,000	32.35	9.12	39.78	9.65
Hanwha Q Cells	Q.Plus BFR-G4.1-280	mono	280	0/+5 W	15.58	16.8	1,000	31.67	8.84	38.97	9.41
Hanwha Q Cells	Q.Plus BFR-G4.1-285	mono	285	0/+5 W	15.85	17.1	1,000	31.99	8.91	39.22	9.46
Hanwha Q Cells	Q.Plus BFR-G4.1-290	mono	290	0/+5 W	16.13	17.4	1,000	32.29	8.98	39.48	9.52
Hanwha Q Cells	Q.Peak BLK-G4.1-285	mono	285	0/+5 W	15.85	17.1	1,000	31.73	8.98	38.91	9.56
Hanwha Q Cells	Q.Peak BLK-G4.1-290	mono	290	0/+5 W	16.13	17.4	1,000	31.96	9.07	39.19	9.63
Hanwha Q Cells	Q.Peak BLK-G4.1-295	mono	295	0/+5 W	16.41	17.7	1,000	32.19	9.17	39.48	9.7
Hanwha Q Cells	Q.Peak-G4.1-300	mono	300	0/+5 W	16.69	18	1,000	32.41	9.26	39.76	9.77
Hanwha Q Cells	Q.Peak-G4.1-305	mono	305	0/+5 W	16.97	18.3	1,000	32.62	9.35	40.05	9.84
Itek Energy	295 SE	mono	295	-2/+2%	16.35	17.59	1,000	32.8	8.9	39.7	9.6
Itek Energy	300 SE	mono	300	-2/+2%	16.62	17.89	1,000	32.9	9	39.8	9.7
Itek Energy	305 SE	mono	305	-2/+2%	16.90	18.19	1,000	33.1	9.1	40	9.8
Itek Energy	310 SE	mono	310	-2/+2%	17.18	18.49	1,000	33.2	9.2	39.7	9.9
Itek Energy	315 SE	mono	315	-2/+2%	17.45	18.78	1,000	33.3	9.3	39.8	10
JinkoSolar	JKM250P-B	poly	250	0/+3%	14.19	15.27	1,000	30.5	8.2	37.7	8.85
JinkoSolar	JKM255P-B	poly	255	0/+3%	14.47	15.58	1,000	30.8	8.28	38	8.92
JinkoSolar	JKM260P-B	poly	260	0/+3%	14.75	15.89	1,000	31.1	8.37	38.1	8.98
JinkoSolar	JKM265P-B	poly	265	0/+3%	15.04	16.19	1,000	31.4	8.44	38.6	9.03
JinkoSolar	JKM255PP	poly	255	0/+3%	14.47	15.58	1,000	30.8	8.28	38	8.92
JinkoSolar	JKM260PP	poly	260	0/+3%	14.75	15.89	1,000	31.1	8.37	38.1	8.98
JinkoSolar	JKM265PP	poly	265	0/+3%	15.04	16.19	1,000	31.4	8.44	38.6	9.03
JinkoSolar	JKM270PP	poly	270	0/+3%	15.32	16.5	1,000	31.7	8.52	38.8	9.09
JinkoSolar	JKMS255P	poly	255	0/+3%	14.47	15.58	1,000	30.8	8.28	38	8.92
JinkoSolar	JKMS260P	poly	260	0/+3%	14.75	15.89	1,000	31.1	8.37	38.1	8.98
JinkoSolar	JKMS265P	poly	265	0/+3%	15.04	16.19	1,000	31.4	8.44	38.6	9.03
JinkoSolar	JKMS270P	poly	270	0/+3%	15.32	16.5	1,000	31.7	8.52	38.8	9.09
Kyocera Solar	KU260-6MCA	poly	260	0/+5%	14.68	DNR	1,000	31	8.39	38.3	9.09
Kyocera Solar	KU265-6MCA	poly	265	0/+5%	14.96	DNR	1,000	31	8.55	38.3	9.26
Kyocera Solar	KU270-6MCA	poly	270	0/+5%	15.24	DNR	1,000	31	8.71	38.3	9.43
LG	LG300N1K-G4	mono	300	0/+3%	16.99	18.3	1,000	32.5	9.26	39.7	9.7
LG	LG305N1K-G4	mono	305	0/+3%	17.28	18.6	1,000	32.9	9.28	40.1	9.74
LG	LG315N1K-G4	mono	315	0/+3%	17.84	18.4	1,000	32.9	9.58	40.7	10.15
LG	LG320N1K-G4	mono	320	0/+3%	18.13	18.7	1,000	33.3	9.62	40.8	10.19
LG	LG305N1C-G4	mono	305	0/+3%	17.28	18.6	1,000	32.5	9.39	40.1	9.93
LG	LG310N1C-G4	mono	310	0/+3%	17.56	18.9	1,000	32.8	9.45	40.4	9.96
LG	LG315N1C-G4	mono	315	0/+3%	17.84	19.2	1,000	33.2	9.5	40.6	10.02
LG	LG320N1C-G4	mono	320	0/+3%	18.13	19.5	1,000	33.6	9.53	40.9	10.05
LG	LG325N1C-A5	mono	325	0/+3%	17.63	19	1,000	33.3	9.77	40.8	10.41

Footnote Key

Representative models shown for vendors with large numbers of SKUs.

¹ Double-glass module

² Double-glass module, bifacial

DNR = Does not report

Nominal operating cell temp. (°C)	Pmp temp. coeff. (%/°C)	Voc temp. coeff. (%/°C)	Isc temp. coeff. (%/°C)	Series fuse rating (A)	Fire Type	Frame color	Backsheet color	Length (in.)	Width (in.)	Depth (in.)	Weight (lbs.)	Materials warranty (yrs.)	Power warranty (type, % at year)
45±2	-0.42	-0.30	0.05	15	1	slv/blk	white	64.57	39.06	1.38	40.79	10	linear, 81.9 @ 25
45±3	-0.40	-0.29	0.04	20	1	black	white	65.7	39.4	1.26	41.45	12	linear, 83 @ 25
45±3	-0.40	-0.29	0.04	20	1	black	white	65.7	39.4	1.26	41.45	12	linear, 83 @ 25
45±3	-0.40	-0.29	0.04	20	1	black	white	65.7	39.4	1.26	41.45	12	linear, 83 @ 25
45±3	-0.39	-0.28	0.04	20	1	black	black	65.7	39.4	1.26	41.45	12	linear, 83.6 @ 25
45±3	-0.39	-0.28	0.04	20	1	black	black	65.7	39.4	1.26	41.45	12	linear, 83.6 @ 25
45±3	-0.39	-0.28	0.04	20	1	black	black	65.7	39.4	1.26	41.45	12	linear, 83.6 @ 25
45±3	-0.39	-0.28	0.04	20	1	black	white	65.7	39.4	1.26	41.45	12	linear, 83.6 @ 25
45±3	-0.39	-0.28	0.04	20	1	black	white	65.7	39.4	1.26	41.45	12	linear, 83.6 @ 25
45.01	-0.39	-0.29	0.04	15	1	silver	white	65.94	39.41	1.57	41	12	linear, 80 @ 25
45.01	-0.39	-0.29	0.04	15	1	silver	white	65.94	39.41	1.57	41	12	linear, 80 @ 25
45.01	-0.39	-0.29	0.04	15	1	silver	white	65.94	39.41	1.57	41	12	linear, 80 @ 25
45.01	-0.39	-0.29	0.04	15	1	silver	white	65.94	39.41	1.57	41	12	linear, 80 @ 25
45.01	-0.39	-0.29	0.04	15	1	silver	white	65.94	39.41	1.57	41	12	linear, 80 @ 25
45±2	-0.41	-0.31	0.06	15	1	black	black	64.97	39.06	1.57	41.9	10	linear, 80 @ 25
45±2	-0.41	-0.31	0.06	15	1	black	black	64.97	39.06	1.57	41.9	10	linear, 80 @ 25
45±2	-0.41	-0.31	0.06	15	1	black	black	64.97	39.06	1.57	41.9	10	linear, 80 @ 25
45±2	-0.41	-0.31	0.06	15	1	black	black	64.97	39.06	1.57	41.9	10	linear, 80 @ 25
45±2	-0.40	-0.30	0.06	15	1	slv/blk	white	64.97	39.06	1.57	41.9	10	linear, 80 @ 25
45±2	-0.40	-0.30	0.06	15	1	slv/blk	white	64.97	39.06	1.57	41.9	10	linear, 80 @ 25
45±2	-0.40	-0.30	0.06	15	1	slv/blk	white	64.97	39.06	1.57	41.9	10	linear, 80 @ 25
45±2	-0.40	-0.30	0.06	15	1	slv/blk	white	64.97	39.06	1.57	41.9	10	linear, 80 @ 25
45±2	-0.40	-0.30	0.06	15	1	slv/blk	white	64.97	39.06	1.57	41.9	10	linear, 80 @ 25
45±2	-0.40	-0.30	0.06	15	1	slv/blk	white	64.97	39.06	1.57	41.9	10	linear, 80 @ 25
45±2	-0.40	-0.30	0.06	15	1	slv/blk	white	64.97	39.06	1.57	41.9	10	linear, 80 @ 25
45±2	-0.40	-0.30	0.06	15	1	slv/blk	white	64.97	39.06	1.57	41.9	10	linear, 80 @ 25
45±2	-0.40	-0.30	0.06	15	1	slv/blk	white	64.97	39.06	1.57	41.9	10	linear, 80 @ 25
45	-0.45	-0.36	0.06	15	2	black	white	65.43	38.98	1.81	41.9	10	linear, 80 @ 25
45	-0.45	-0.36	0.06	15	2	black	white	65.43	38.98	1.81	41.9	10	linear, 80 @ 25
45	-0.46	-0.36	0.06	15	2	black	white	65.43	38.98	1.81	41.9	10	linear, 80 @ 25
45±3	-0.38	-0.28	0.03	20	2	black	black	64.57	39.37	1.57	37.48	12	linear, 83.6 @ 25
45±3	-0.38	-0.28	0.03	20	2	black	black	64.57	39.37	1.57	37.48	12	linear, 83.6 @ 25
45±3	-0.38	-0.28	0.03	20	2	black	black	64.57	39.37	1.57	37.48	12	linear, 83.6 @ 25
45±3	-0.38	-0.28	0.03	20	2	black	black	64.57	39.37	1.57	37.48	12	linear, 83.6 @ 25
46±3	-0.38	-0.28	0.03	20	2	black	white	64.57	39.37	1.57	37.48	12	linear, 83.6 @ 25
46±3	-0.38	-0.28	0.03	20	2	black	white	64.57	39.37	1.57	37.48	12	linear, 83.6 @ 25
46±3	-0.38	-0.28	0.03	20	2	black	white	64.57	39.37	1.57	37.48	12	linear, 83.6 @ 25
45±3	-0.37	-0.27	0.03	20	1	black	white	66.38	40	1.57	39.7	12	linear, 84.8 @ 25

2017 60-Cell PV Module Specifications

Manufacturer	Model	Cell type	Rated power at STC (Wp)	Rated power tolerance (W or %)	Rated power per sq. ft. (W)	Module efficiency (%)	Max. system voltage UL (Vdc)	Max. power voltage (Vmp)	Max. power current (Imp)	Open-circuit voltage (Voc)	Short-circuit current (Isc)
LG	LG330N1C-A5	mono	330	0/+3%	17.90	19.3	1,000	33.7	9.8	40.9	10.45
LG	LG335N1C-A5	mono	335	0/+3%	18.17	19.6	1,000	34.1	9.83	41	10.49
LG	LG350Q1C-A5	mono	350	0/+3%	18.83	20.3	1,000	36.1	9.7	42.7	10.77
LG	LG355Q1C-A5	mono	355	0/+3%	19.09	20.6	1,000	36.3	9.79	42.7	10.78
LG	LG360Q1C-A5	mono	360	0/+3%	19.36	20.8	1,000	36.5	9.87	42.7	10.79
LG	LG365Q1C-A5	mono	365	0/+3%	19.63	21.1	1,000	36.7	9.95	42.8	10.8
Lumos Solar	LSX275 ¹	mono	275	0/+3%	14.75	15.9	1,000	31.71	8.68	39.03	9.02
Lumos Solar	LSX280	mono	280	0/+3%	15.01	16.2	1,000	31.97	8.76	39.37	9.25
Lumos Solar	LSX285 ¹	mono	285	0/+3%	15.28	16.5	1,000	32.24	8.84	39.71	9.5
Lumos Solar	GSXBIFI300 ²	mono	300	0/+5 W	16.39	19.4	1,000	32.48	9.24	40.45	9.91
Mission Solar Energy	MSE270S05K	mono	270	0/+3%	15.09	16.26	1,000	30.79	8.78	37.64	9.28
Mission Solar Energy	MSE275S05K	mono	275	0/+3%	15.37	16.55	1,000	30.95	8.89	37.82	9.34
Mission Solar Energy	MSE280S05K	mono	280	0/+3%	15.65	16.85	1,000	31.37	8.93	38.22	9.37
Mission Solar Energy	MSE270S05T	mono	270	0/+3%	15.09	16.26	1,000	31.28	8.64	38.21	9.09
Mission Solar Energy	MSE275S05T	mono	275	0/+3%	15.37	16.55	1,000	31.55	8.72	38.45	9.17
Mission Solar Energy	MSE280S05T	mono	280	0/+3%	15.65	16.85	1,000	31.87	8.79	38.6	9.27
Mission Solar Energy	MSE295SQ5K	mono	295	0/+3%	16.49	17.82	1,000	32.19	9.2	39.38	9.73
Mission Solar Energy	MSE300SQ5K	mono	300	0/+3%	16.77	18.06	1,000	32.38	9.27	39.72	9.77
Mission Solar Energy	MSE305SQ5K	mono	305	0/+3%	17.05	18.36	1,000	32.61	9.36	39.95	9.81
Mission Solar Energy	MSE290SQ5T	mono	290	0/+3%	16.21	17.45	1,000	32.54	8.95	39.81	9.44
Mission Solar Energy	MSE295SQ5T	mono	295	0/+3%	16.49	17.75	1,000	32.72	9.03	40.11	9.52
Mission Solar Energy	MSE300SQ5T	mono	300	0/+3%	16.77	18.05	1,000	32.8	9.17	40.18	9.61
Mitsubishi Electric	PV-MJE265FB	mono	265	0/+5%	14.97	16.1	1,000	30.9	8.59	38	9.1
Mitsubishi Electric	PV-MJE275FB	mono	275	0/+5%	15.53	16.7	1,000	31.3	8.79	38.3	9.36
Mitsubishi Electric	PV-MJE275FB-B	mono	275	0/+5%	15.53	16.7	1,000	31.3	8.79	38.3	9.36
Mitsubishi Electric	PV-MJE285FB-B	mono	285	0/+5%	16.10	17	1,000	31.5	8.9	38.4	9.5
Phono Solar	PS255PGF-22/U ¹	poly	255	0/+5 W	14.27	15.36	1,000	30.4	8.39	37.9	8.8
Phono Solar	PS260PGF-22/U ¹	poly	260	0/+5 W	14.55	15.66	1,000	30.56	8.51	38	8.9
Phono Solar	PS265PGF-22/U ¹	poly	265	0/+5 W	14.83	15.96	1,000	30.78	8.61	38.1	9
Phono Solar	PS270PGF-22/U ¹	poly	270	0/+5 W	15.11	16.26	1,000	31	8.71	38.2	9.1
Phono Solar	PS280MGF-22/U ¹	mono	280	0/+5 W	15.67	16.86	1,000	30.74	9.11	39.5	9.65
Phono Solar	PS285MGF-22/U ¹	mono	285	0/+5 W	15.94	17.16	1,000	31.08	9.17	39.6	9.68
Phono Solar	PS290MGF-22/U ¹	mono	290	0/+5 W	16.22	17.46	1,000	31.36	9.25	39.7	9.71
Phono Solar	PS295MGF-22/U ¹	mono	295	0/+5 W	16.50	17.76	1,000	31.69	9.31	39.8	9.74
Prism Solar	Bi60-362BSTC ²	mono	285	-1.5/+3%	15.88	17.1	1,000	32.4	8.79	40.2	9.31
Prism Solar	Bi60-368BSTC ²	mono	290	-1.5/+3%	16.15	17.4	1,000	32.4	8.95	40.2	9.48
Prism Solar	Bi60-375BSTC ²	mono	295	-1.5/+3%	16.43	17.7	1,000	32.4	9.1	40.2	9.64
Silfab Solar	SLA-M 285	mono	285	0/+5 W	16.21	17.4	1,000	32	8.91	39.1	9.47

Footnote Key

Representative models shown for vendors with large numbers of SKUs.

¹ Double-glass module

² Double-glass module, bifacial

DNR = Does not report

Nominal operating cell temp. (°C)	Pmp temp. coeff. (%/°C)	Voc temp. coeff. (%/°C)	Isc temp. coeff. (%/°C)	Series fuse rating (A)	Fire Type	Frame color	Backsheet color	Length (in.)	Width (in.)	Depth (in.)	Weight (lbs.)	Materials warranty (yrs.)	Power warranty (type, % at year)
45±3	-0.37	-0.27	0.03	20	1	black	white	66.38	40	1.57	39.7	12	linear, 84.8 @ 25
45±3	-0.37	-0.27	0.03	20	1	black	white	66.38	40	1.57	39.7	12	linear, 84.8 @ 25
44±3	-0.30	-0.24	0.04	20	1	black	white	66.93	40	1.57	40.79	25	linear, 87 @ 25
44±3	-0.30	-0.24	0.04	20	1	black	white	66.93	40	1.57	40.79	25	linear, 87 @ 25
44±3	-0.30	-0.24	0.04	20	1	black	white	66.93	40	1.57	40.79	25	linear, 87 @ 25
44±3	-0.30	-0.24	0.04	20	1	black	white	66.93	40	1.57	40.79	25	linear, 87 @ 25
43.6	-0.45	-0.34	0.05	15	1	frameless	clear	65.5	41	1.1	62.6	DNR	linear, 82 @ 25
43.6	-0.45	-0.34	0.05	15	1	frameless	clear	65.5	41	1.1	62.6	DNR	linear, 82 @ 25
43.6	-0.45	-0.34	0.05	15	1	frameless	clear	65.5	41	1.1	62.6	DNR	linear, 82 @ 25
46.7	-0.38	-0.28	0.04	15	1	frameless	clear	66.9	39.4	0.3	66.8	DNR	linear, 80 @ 25
44±2	-0.45	-0.31	0.04	15	1	black	white	65.51	39.33	1.57	40.1	DNR	linear, 80.2 @ 25
44±2	-0.45	-0.31	0.04	15	1	black	white	65.51	39.33	1.57	40.1	DNR	linear, 80.2 @ 25
44±2	-0.45	-0.31	0.04	15	1	black	white	65.51	39.33	1.57	40.1	DNR	linear, 80.2 @ 25
44±2	-0.42	-0.31	0.04	15	1	black	black	65.51	39.33	1.57	40.1	DNR	linear, 80.2 @ 25
44±2	-0.42	-0.31	0.04	15	1	black	black	65.51	39.33	1.57	40.1	DNR	linear, 80.2 @ 25
44±2	-0.42	-0.31	0.04	15	1	black	black	65.51	39.33	1.57	40.1	DNR	linear, 80.2 @ 25
44±2	-0.43	-0.32	0.04	15	1	black	white	65.51	39.33	1.57	40.1	DNR	linear, 80.2 @ 25
44±2	-0.43	-0.32	0.04	15	1	black	white	65.51	39.33	1.57	40.1	DNR	linear, 80.2 @ 25
44±2	-0.43	-0.32	0.04	15	1	black	white	65.51	39.33	1.57	40.1	DNR	linear, 80.2 @ 25
44±2	-0.43	-0.32	0.04	15	1	black	white	65.51	39.33	1.57	40.1	DNR	linear, 80.2 @ 25
44±2	-0.43	-0.32	0.04	15	1	black	white	65.51	39.33	1.57	40.1	DNR	linear, 80.2 @ 25
44±2	-0.43	-0.32	0.04	15	1	black	black	65.51	39.33	1.57	40.1	DNR	linear, 80.2 @ 25
46	-0.45	-0.34	0.06	15	2/5/8	silver	white	65.2	39.1	1.81	41.8	10	linear, 80 @ 25
46	-0.44	-0.34	0.06	15	2/5/8	silver	white	65.2	39.1	1.81	41.8	10	linear, 80 @ 25
46	-0.44	-0.34	0.06	15	2/5/8	black	white	65.2	39.1	1.81	41.8	10	linear, 80 @ 25
46	-0.44	-0.34	0.06	15	2/5/8	black	white	65.2	39.1	1.81	41.8	10	linear, 80 @ 25
45±2	-0.41	-0.31	0.09	15	1	silver	clear	65.51	39.29	1.18	47.4	10	80 @ 30
45±2	-0.41	-0.31	0.09	15	1	silver	clear	65.51	39.29	1.18	47.4	10	80 @ 30
45±2	-0.41	-0.31	0.09	15	1	silver	clear	65.51	39.29	1.18	47.4	10	80 @ 30
45±2	-0.41	-0.31	0.09	15	1	silver	clear	65.51	39.29	1.18	47.4	10	80 @ 30
45±2	-0.42	-0.33	0.07	15	1	silver	clear	65.51	39.29	1.18	47.4	10	80 @ 30
45±2	-0.42	-0.33	0.07	15	1	silver	clear	65.51	39.29	1.18	47.4	10	80 @ 30
45±2	-0.42	-0.33	0.07	15	1	silver	clear	65.51	39.29	1.18	47.4	10	80 @ 30
45±2	-0.42	-0.33	0.07	15	1	silver	clear	65.51	39.29	1.18	47.4	10	80 @ 30
47±2	-0.41	-0.29	0.04	20	13	frameless	clear	66.73	38.74	0.28	63.75	10	DNR @ 30
47±2	-0.41	-0.29	0.04	20	13	frameless	clear	66.73	38.74	0.28	63.75	10	DNR @ 30
47±2	-0.41	-0.29	0.04	20	13	frameless	clear	66.73	38.74	0.28	63.75	10	DNR @ 30
45±2	-0.38	-0.30	0.03	15	1/2	black	black	64.96	38.97	1.5	41.9	12	linear, 82 @ 25

2017 60-Cell PV Module Specifications

Manufacturer	Model	Cell type	Rated power at STC (Wp)	Rated power tolerance (W or %)	Rated power per sq. ft. (W)	Module efficiency (%)	Max. system voltage UL (Vdc)	Max. power voltage (Vmp)	Max. power current (Imp)	Open-circuit voltage (Voc)	Short-circuit current (Isc)
Silfab Solar	SLA-M 290	mono	290	0/+5 W	16.50	17.8	1,000	32.4	8.97	39.4	9.54
Silfab Solar	SLA-M 300	mono	300	0/+5 W	17.07	18.4	1,000	32.8	9.16	39.85	9.71
Silfab Solar	SLA-M 310	mono	310	0/+5 W	17.07	19	1,000	33.05	9.38	40.25	9.93
Silfab Solar	SLA-X 290 ²	mono	290	0/+5 W	16.50	17.8	1,000	32.8	8.83	39.4	9.5
Silfab Solar	SLA-X 295 ²	mono	295	0/+5 W	16.78	18.4	1,000	33.17	8.89	39.48	9.58
SolarTech Universal	STU 300-HJT	mono	300	0/+5 W	16.83	18.4	1,000	35.7	8.4	44.4	9.8
SolarTech Universal	STU-PERC-300	mono	300	0/+5 W	16.83	18.4	1,000	33.4	9.3	41.1	9.8
SolarTech Universal	STU-PERC-305	mono	305	0/+5 W	17.11	18.7	1,000	33.9	9.4	41.8	10
SolarWorld	SWA 285 black	mono	285	0/+5 W	15.79	17	1,000	32	9	39.2	9.52
SolarWorld	SWA 290 black	mono	290	0/+5 W	16.07	17.3	1,000	32.2	9.12	39.5	9.6
SolarWorld	SWA 290	mono	290	0/+5 W	16.07	17.3	1,000	31.9	9.2	39.6	9.75
SolarWorld	SWA 295	mono	295	0/+5 W	16.35	17.59	1,000	32.3	9.25	39.8	9.78
SolarWorld	SWA 300	mono	300	0/+5 W	16.63	17.89	1,000	32.6	9.31	40	9.83
Sonali Solar	SS 230	poly	230	0/+3%	13.28	DNR	600	29.16	7.89	37.5	8.43
Sonali Solar	SS 240	poly	240	0/+3%	13.86	DNR	600	30.01	8	37.6	8.52
Sonali Solar	SS 250	poly	250	0/+3%	14.44	DNR	600	30.72	8.14	37.65	8.64
Sonali Solar	SS 260	poly	260	0/+3%	15.01	DNR	600	31.06	8.21	37.76	8.71
Sonali Solar	SS 270	poly	270	0/+3%	15.59	DNR	600	31.14	8.35	37.83	8.76
Sonali Solar	SS 280	poly	280	0/+3%	16.17	DNR	600	31.37	8.45	38.15	8.95
Sunpreme	GXB 300 ²	mono	300	-3/+5%	16.93	18.2	1,000	35.3	8.6	43.6	9.26
Sunpreme	GXB 310 ²	mono	310	-3/+5%	17.49	18.8	1,000	36	8.7	43.8	9.3
Sunpreme	GXB 320 ²	mono	320	-3/+5%	18.06	19.4	1,000	36.5	8.8	44	9.34
Sunpreme	GXB 300T ²	mono	300	-3/+5%	16.93	18	1,000	35.3	8.6	43.6	9.26
Sunpreme	GXB 310T ²	mono	310	-3/+5%	17.49	18.6	1,000	36	8.7	43.8	9.3
Sunpreme	GXB 320T ²	mono	320	-3/+5%	18.06	19.2	1,000	36.5	8.8	44	9.34
Trina Solar	TSM-PD05-265	poly	265	0/+5 W	15.01	16.2	1,000	30.8	8.61	37.7	9.15
Trina Solar	TSM-PD05-270	poly	270	0/+5 W	15.30	16.5	1,000	30.9	8.73	37.9	9.22
Trina Solar	TSM-PD05-275	poly	275	0/+5 W	15.58	16.8	1,000	31.1	8.84	38.1	9.32
Trina Solar	TSM-PD05-280	poly	280	0/+5 W	15.86	17.1	1,000	31.4	8.92	38.2	9.4
Trina Solar	TSM-PD05-285	poly	285	0/+5 W	16.15	17.4	1,000	31.6	9.02	38.3	9.49
Trina Solar	TSM-DD05A-275	mono	275	0/+5 W	15.58	16.8	1,000	31.4	8.76	38.4	9.24
Trina Solar	TSM-DD05A-280	mono	280	0/+5 W	15.86	17.1	1,000	31.7	8.84	38.4	9.42
Trina Solar	TSM-DD05A-285	mono	285	0/+5 W	16.15	17.4	1,000	31.8	8.97	38.5	9.51
Trina Solar	TSM-DD05A-290	mono	290	0/+5 W	16.43	17.7	1,000	32.2	9.01	38.9	9.66
Trina Solar	TSM-DD05A-295	mono	295	0/+5 W	16.71	18	1,000	32.5	9.08	39.6	9.68
Trina Solar	TSM-DD05A-300	mono	300	0/+5 W	17.00	18.3	1,000	32.6	9.19	39.8	9.77
Trina Solar	TSM-DD05A-305	mono	305	0/+5 W	17.28	18.6	1,000	32.9	9.28	40	9.85
Trina Solar	TSM-DD05A-310	mono	310	0/+5 W	17.56	18.9	1,000	33.1	9.37	40.2	9.94

Footnote Key

Representative models shown for vendors with large numbers of SKUs.

¹ Double-glass module

² Double-glass module, bifacial

DNR = Does not report

Nominal operating cell temp. (°C)	Pmp temp. coeff. (%/°C)	Voc temp. coeff. (%/°C)	Isc temp. coeff. (%/°C)	Series fuse rating (A)	Fire Type	Frame color	Backsheet color	Length (in.)	Width (in.)	Depth (in.)	Weight (lbs.)	Materials warranty (yrs.)	Power warranty (type, % at year)
45±2	-0.38	-0.30	0.03	15	1/2	black	black	64.96	38.97	1.5	41.9	12	linear, 82 @ 25
45±2	-0.38	-0.30	0.03	15	1/2	black	black	64.96	38.97	1.5	41.9	12	linear, 82 @ 25
45±2	-0.38	-0.30	0.03	15	1/2	black	black	64.96	38.97	1.5	41.9	12	linear, 82 @ 25
43±2	-0.42	-0.28	0.04	15	1/2	black	black	64.96	38.97	1.5	41.9	12	linear, 82 @ 25
43±2	-0.42	-0.28	0.04	15	2	black	clear	64.96	38.97	1.5	41.9	12	linear, 88.4 @ 30
DNR	-0.34	-0.26	0.05	20	DNR	slv/blk	white	65.4	39.25	1.65	40	12	linear, 80 @ 30
45.7	-0.41	-0.29	0.04	20	DNR	slv/blk	white	65.4	39.25	1.65	40	12	linear, 80 @ 30
45.7	-0.41	-0.29	0.04	20	DNR	slv/blk	white	65.4	39.25	1.65	40	12	linear, 80 @ 30
46	-0.39	-0.29	0.07	DNR	1	black	black	65.95	39.4	1.3	39.7	20	linear, 80.2 @ 25
46	-0.39	-0.29	0.07	DNR	1	black	black	65.95	39.4	1.3	39.7	20	linear, 80.2 @ 25
46	-0.39	-0.29	0.07	DNR	1	black	white	65.95	39.4	1.3	39.7	20	linear, 80.2 @ 25
46	-0.39	-0.29	0.07	DNR	1	black	white	65.95	39.4	1.3	39.7	20	linear, 80.2 @ 25
46	-0.39	-0.29	0.07	DNR	1	black	white	65.95	39.4	1.3	39.7	20	linear, 80.2 @ 25
45±2	-0.44	-0.33	0.07	DNR	DNR	silver	white	64.57	38.62	1.57	41.89	10	80 @ 25
45±2	-0.44	-0.33	0.07	DNR	DNR	silver	white	64.57	38.62	1.57	41.89	10	80 @ 25
45±2	-0.44	-0.33	0.07	DNR	DNR	silver	white	64.57	38.62	1.57	41.89	10	80 @ 25
45±2	-0.44	-0.33	0.07	DNR	DNR	silver	white	64.57	38.62	1.57	41.89	10	80 @ 25
45±2	-0.44	-0.33	0.07	DNR	DNR	silver	white	64.57	38.62	1.57	41.89	10	80 @ 25
45±2	-0.44	-0.33	0.07	DNR	DNR	silver	white	64.57	38.62	1.57	41.89	10	80 @ 25
46±2	-0.28	-0.21	0.02	20	3	frameless	clear	65.47	38.98	0.24	55.6	15	linear, 85 @ 30
46±2	-0.28	-0.21	0.02	20	3	frameless	clear	65.47	38.98	0.24	55.6	15	linear, 85 @ 30
46±2	-0.28	-0.21	0.02	20	3	frameless	clear	65.47	38.98	0.24	55.6	15	linear, 85 @ 30
46±2	-0.28	-0.21	0.02	20	3	black	clear	65.47	38.98	0.24	55.6	15	linear, 85 @ 30
46±2	-0.28	-0.21	0.02	20	3	black	clear	65.47	38.98	0.24	55.6	15	linear, 85 @ 30
46±2	-0.28	-0.21	0.02	20	3	black	clear	65.47	38.98	0.24	55.6	15	linear, 85 @ 30
44±2	-0.41	-0.32	0.05	15	1/2	black	black	65	39.1	1.38	41	10	linear, 80 @ 25
44±2	-0.41	-0.32	0.05	15	1/2	black	wht/blk	65	39.1	1.38	41	10	linear, 80 @ 25
44±2	-0.41	-0.32	0.05	15	1/2	black	wht/blk	65	39.1	1.38	41	10	linear, 80 @ 25
44±2	-0.41	-0.32	0.05	15	1/2	black	wht/blk	65	39.1	1.38	41	10	linear, 80 @ 25
44±2	-0.41	-0.32	0.05	15	1/2	black	white	65	39.1	1.38	41	10	linear, 80 @ 25
44±2	-0.39	-0.29	0.05	15	1/2	black	black	65	39.1	1.38	41	10	linear, 80 @ 25
44±2	-0.39	-0.29	0.05	15	1/2	black	wht/blk	65	39.1	1.38	41	10	linear, 80 @ 25
44±2	-0.39	-0.29	0.05	15	1/2	black	wht/blk	65	39.1	1.38	41	10	linear, 80 @ 25
44±2	-0.39	-0.29	0.05	20	1/2	black	wht/blk	65	39.1	1.38	41	10	linear, 80 @ 25
44±2	-0.39	-0.29	0.05	20	1/2	black	wht/blk	65	39.1	1.38	41	10	linear, 80 @ 25
44±2	-0.39	-0.29	0.05	20	1/2	black	wht/blk	65	39.1	1.38	41	10	linear, 80 @ 25
44±2	-0.39	-0.29	0.05	20	1/2	black	wht/blk	65	39.1	1.38	41	10	linear, 80 @ 25
44±2	-0.39	-0.29	0.05	20	1/2	black	wht/blk	65	39.1	1.38	41	10	linear, 80 @ 25
44±2	-0.39	-0.29	0.05	20	1/2	black	wht/blk	65	39.1	1.38	41	10	linear, 80 @ 25

2017 60-Cell PV Module Specifications

Manufacturer	Model	Cell type	Rated power at STC (Wp)	Rated power tolerance (W or %)	Rated power per sq. ft. (W)	Module efficiency (%)	Max. system voltage UL (Vdc)	Max. power voltage (Vmp)	Max. power current (Imp)	Open-circuit voltage (Voc)	Short-circuit current (Isc)
Trina Solar	TSM-DD05A-315	mono	315	0/+5 W	17.85	19.2	1,000	33.3	9.46	40.5	10
Upsolar	UP-M285M-B	mono	285	0/+3%	16.27	17.5	1,000	31.6	9.02	40.1	9.4
Upsolar	UP-M290M-B	mono	290	0/+3%	16.56	17.8	1,000	31.8	9.12	40.4	9.5
Upsolar	UP-M295M-B	mono	295	0/+3%	16.84	18.1	1,000	32	9.22	40.7	9.58
Upsolar	UP-M300M-B	mono	300	0/+3%	17.13	18.4	1,000	32.2	9.32	41	9.67
Upsolar	UP-M305M-B	mono	305	0/+3%	17.41	18.7	1,000	32.4	9.41	41.3	9.76
Upsolar	UP-M290M	mono	290	0/+3%	16.56	17.8	1,000	31.6	9.18	40.1	9.44
Upsolar	UP-M295M	mono	295	0/+3%	16.84	18.1	1,000	31.8	9.28	40.4	9.52
Upsolar	UP-M300M	mono	300	0/+3%	17.13	18.4	1,000	32	9.38	40.7	9.6
Upsolar	UP-M305M	mono	305	0/+3%	17.41	18.7	1,000	32.2	9.47	41	9.7
Upsolar	UP-M310M	mono	310	0/+3%	17.70	19.1	1,000	32.4	9.57	41.3	9.8
Vikram Solar	VSP.60.270.04.04	poly	270	0/+2.5 W	15.42	16.6	1,000	31	8.7	38.3	9.15
Vikram Solar	VSP.60.272.5.04.04	poly	272.5	0/+2.5 W	15.56	16.8	1,000	31.1	8.76	38.4	9.21
Vikram Solar	VSP.60.275.04.04	poly	275	0/+2.5 W	15.70	16.9	1,000	31.2	8.82	38.5	9.27
Vikram Solar	VSP.60.277.5.04.04	poly	277.5	0/+2.5 W	15.84	17.1	1,000	31.3	8.88	38.6	9.34
Vikram Solar	VSP.60.280.04.04	poly	280	0/+2.5 W	15.99	17.2	1,000	31.3	8.94	38.7	9.4
Vikram Solar	VSP.60.282.5.04.04	poly	282.5	0/+2.5 W	16.13	17.4	1,000	31.4	9	38.9	9.47
Vikram Solar	VSP.60.285.04.04	poly	285	0/+2.5 W	16.27	17.5	1,000	31.5	9.05	39	9.53
WINAICO	WST-275P6	poly	275	0/+5 W	15.37	16.5	1,000	31.3	8.81	38.5	9.41
WINAICO	WST-285P6	poly	285	0/+5 W	15.93	17.1	1,000	31.3	9.11	38.9	9.57
WINAICO	WST-290P6	poly	290	0/+5 W	16.21	17.4	1,000	31.3	9.27	39.1	9.65
WINAICO	WSP-300M6 black	mono	300	0/+5 W	16.76	18	1,000	32.3	9.31	39.8	9.86
WINAICO	WSP-300M6	mono	300	0/+5 W	16.76	18	1,000	32.3	9.31	39.6	9.86
WINAICO	WSP-305M6	mono	305	0/+5 W	17.04	18.3	1,000	32.6	9.36	40.1	9.96
WINAICO	WSP-310M6	mono	310	0/+5 W	17.32	18.6	1,000	32.9	9.42	40.3	10.1
WINAICO	WSP-315M6	mono	315	0/+5 W	17.59	18.9	1,000	33.2	9.48	40.4	10.2
Yingli Solar	YL250P-29b 1500	poly	250	0/+5 W	14.19	15.3	1,500	29.8	8.39	37.6	8.92
Yingli Solar	YL255P-29b 1500	poly	255	0/+5 W	14.47	15.6	1,500	30	8.49	37.7	9.01
Yingli Solar	YL260P-29b 1500	poly	260	0/+5 W	14.76	15.9	1,500	30.3	8.59	37.7	9.09
Yingli Solar	YL265P-29b 1500	poly	265	0/+5 W	15.04	16.2	1,500	30.5	8.7	37.8	9.18
Yingli Solar	YL270P-29b 1500	poly	270	0/+5 W	15.32	16.5	1,500	30.7	8.8	37.9	9.27
Yingli Solar	YL275P-29b 1500	poly	275	0/+5 W	15.61	16.8	1,500	31	8.9	37.9	9.35
Yingli Solar	YL255P-29b	poly	255	0/+5 W	14.47	15.6	1,000	30	8.49	37.7	9.01
Yingli Solar	YL260P-29b	poly	260	0/+5 W	14.76	15.9	1,000	30.3	8.59	37.7	0.09
Yingli Solar	YL265P-29b	poly	265	0/+5 W	15.04	16.2	1,000	30.5	8.7	37.8	9.18
Yingli Solar	YL270P-29b	poly	270	0/+5 W	15.32	16.5	1,000	30.7	8.8	37.9	9.27
Yingli Solar	YL275P-29b	poly	275	0/+5 W	15.61	16.8	1,000	31	8.9	37.9	9.35
Yingli Solar	YL280P-29b	poly	280	0/+5 W	15.89	17.1	1,000	31.4	8.92	38.2	9.45

