

PRODUCT SUMMARY

ELECTRICAL CHARACTERISTICS

PV Module	Max Power [W]	Tolerance	Open circuit Voltage [V]	Short circuit Current [A]	Max Power Voltage [V]	Max. Power Current [A]	Module Efficiency [%]	Solar Cell Efficiency [%]	Temperature Coefficients		
									Short Circuit Current (mA/C)	Open Circuit Voltage (V/C)	Maximum Power (%/C)
M5E20	20	± 3%	21.96	1.27	17.82	1.14	9.8	14.67	+2.5	-0.147	-0.485
M5E30	30	± 3%	23.8	1.74	17.95	1.55	11.1	15.00	+2.5	-0.147	-0.485
M5E40	40	± 3%	24.2	2.54	18.01	2.27	11.5	15.30	+2.5	-0.147	-0.485
M5E50	50	± 3%	24.6	2.81	20.2	2.48	11.0	12.15	+2.5	-0.147	-0.485
M5E60	60	± 3%	25.2	3.84	20.6	3.41	12.2	14.0	+2.5	-0.147	-0.485
M5E70	70	± 3%	25.8	4.45	21.2	4.1	13.2	15.0	+2.5	-0.147	-0.485
M5T75	79.9	± 5%	21.74	4.79	17.71	4.24	11.27	14.62	+2.5	-0.147	-0.4
M5T80	84.9	± 5%	21.82	4.84	17.93	4.46	12.02	14.87	+2.5	-0.147	-0.4
M5T85	89.9	± 5%	21.96	5.06	18.22	4.67	12.77	15.87	+2.5	-0.147	-0.4
M5T90	94.9	± 5%	22.03	5.31	18.36	4.9	13.52	16.87	+2.5	-0.147	-0.4
M5T150	154.9	± 5%	43.49	4.79	35.42	4.24	11.54	14.60	+2.5	-0.147	-0.4
M5T155	159.9	± 5%	43.49	4.79	35.42	4.38	11.92	14.62	+2.5	-0.147	-0.4
M5T160	164.9	± 5%	43.63	4.84	35.86	4.46	12.31	14.87	+2.5	-0.147	-0.4
M5T165	169.9	± 5%	43.78	4.94	36.14	4.57	12.69	15.37	+2.5	-0.147	-0.4
M5T170	174.9	± 5%	43.92	5.06	36.43	4.67	13.07	15.87	+2.5	-0.147	-0.4
M5T175	179.9	± 5%	43.99	5.17	36.72	4.77	13.46	16.37	+2.5	-0.147	-0.4
M5T180	184.9	± 5%	44.06	5.31	36.72	4.9	13.84	16.87	+2.5	-0.147	-0.4
M5T185	189.9	± 5%	44.14	5.43	36.79	5.03	14.13	17.37	+2.5	-0.147	-0.4
P5T160	164.9	± 5%	42.91	4.93	35.5	4.51	12.31	14.37	+3.9	-0.095	-0.4
P5T165	169.9	± 5%	43.49	5.03	35.93	4.59	12.69	14.87	+3.9	-0.095	-0.4
P5T170	174.9	± 5%	43.56	5.07	36.14	4.7	13.08	15.12	+3.9	-0.095	-0.4
P5T175	179.9	± 5%	43.63	5.15	36.43	4.8	13.46	15.62	+3.9	-0.095	-0.4
P5T180	184.9	± 5%	43.78	5.23	36.86	4.88	13.85	16.12	+3.9	-0.095	-0.4
P6T120	124.9	± 5%	21.53	7.35	17.57	6.83	12.25	13.75	+3.9	-0.095	-0.4
P6T125	129.9	± 5%	21.56	7.6	17.78	7.03	12.76	14.37	+3.9	-0.095	-0.4
P6T130	134.9	± 5%	21.6	7.83	17.96	7.24	13.27	14.87	+3.9	-0.095	-0.4
P6T135	139.9	± 5%	21.74	8.04	18.14	7.44	13.78	15.37	+3.9	-0.095	-0.4
P6T140	144.9	± 5%	22.03	8.23	18.36	7.63	14.29	16.12	+3.9	-0.095	-0.4
P6T155	159.9	± 5%	28.7	7.24	22.94	6.76	11.84	13.25	+3.9	-0.095	-0.4
P6T160	164.9	± 5%	28.7	7.35	23.42	6.83	12.22	13.75	+3.9	-0.095	-0.4
P6T165	169.9	± 5%	28.75	7.47	23.66	6.97	12.6	14.12	+3.9	-0.095	-0.4
P6T170	174.9	± 5%	28.75	7.72	23.8	7.14	13.5	14.62	+3.9	-0.095	-0.4
P6T175	179.9	± 5%	28.85	7.95	24.1	7.26	13.36	15.12	+3.9	-0.095	-0.4
P6T180	184.9	± 5%	29.14	8.1	24.29	7.41	13.75	15.62	+3.9	-0.095	-0.4
P6T185	189.9	± 5%	29.38	8.23	24.48	7.56	14.13	16.12	+3.9	-0.095	-0.4
P6T190	194.9	± 5%	29.47	8.32	24.53	7.75	14.51	16.37	+3.9	-0.095	-0.4
P6T205	209.9	± 5%	35.94	7.47	29.58	6.93	12.52	14.12	+3.9	-0.095	-0.4
P6T210	214.9	± 5%	35.94	7.6	29.65	7.09	12.71	14.37	+3.9	-0.095	-0.4
P6T215	219.9	± 5%	36	7.83	29.94	7.18	13.02	14.87	+3.9	-0.095	-0.4
P6T220	224.9	± 5%	36.06	7.95	30.12	7.3	13.32	15.12	+3.9	-0.095	-0.4
P6T225	229.9	± 5%	36.42	8.1	30.36	7.41	13.62	15.62	+3.9	-0.095	-0.4
P6T230	234.9	± 5%	36.6	8.17	30.48	7.55	13.93	15.87	+3.9	-0.095	-0.4
P6T235	239.9	± 5%	36.72	8.23	30.6	7.68	14.35	16.12	+3.9	-0.095	-0.4
P6T260	264.9	± 5%	43.2	7.83	35.93	7.24	13.47	14.87	+3.9	-0.095	-0.4
P6T265	269.9	± 5%	43.27	7.95	36.14	7.33	13.73	15.12	+3.9	-0.095	-0.4
P6T270	274.9	± 5%	43.7	8.1	36.43	7.41	13.99	15.62	+3.9	-0.095	-0.4
P6T275	279.9	± 5%	43.92	8.17	36.58	7.52	14.25	15.87	+3.9	-0.095	-0.4

ADDITIONAL ELECTRICAL CHARACTERISTICS

Series Fuse Rating [A]	10
Terminal Box	IP65
Maximum System Voltage [V] {TPG-M5E Series}	DC750
Maximum System Voltage [V] {M5T, P5T, P6T Series}	DC1000
Operating Temperature [C]	-40 to 85

PRODUCT SUMMARY

MECHANICAL CHARACTERISTICS

PV Module	Dimension (L x W x D)	Dimension (L x W x D)	Weight/ piece	Packing/ Carton	Loading/ 20ft container	Loading/ 40ft container	Frame
M5E20	662mm x 299mm x 34mm	26.06" x 11.77" x 1.34"	2.70 kg	14pcs	2082pcs	4536pcs	Aluminum
M5E30	662mm x 299mm x 34mm	26.06" x 11.77" x 1.34"	2.70 kg	14pcs	1528pcs	3136pcs	Aluminum
M5E40	662mm x 299mm x 34mm	26.06" x 11.77" x 1.34"	2.70 kg	14pcs	1184pcs	2548pcs	Aluminum
M5E50	719mm x 555mm x 34mm	28.31" x 21.85" x 1.34"	5.00 kg	14pcs	942pcs	1876pcs	Aluminum
M5E60	719mm x 555mm x 34mm	28.31" x 21.85" x 1.34"	5.00 kg	14pcs	630pcs	1260pcs	Aluminum
M5E70	719mm x 555mm x 34mm	28.31" x 21.85" x 1.34"	5.00 kg	14pcs	630pcs	1260pcs	Aluminum
M5T75	1206mm x 552mm x 35mm	47.48" x 21.73" x 1.38"	8.50kg	14pcs	672pcs	1512pcs	Aluminum
M5T80	1206mm x 552mm x 35mm	47.48" x 21.73" x 1.38"	8.50kg	14pcs	672pcs	1512pcs	Aluminum
M5T85	1206mm x 552mm x 35mm	47.48" x 21.73" x 1.38"	8.50kg	14pcs	672pcs	1512pcs	Aluminum
M5T90	1206mm x 552mm x 35mm	47.48" x 21.73" x 1.38"	8.50kg	14pcs	672pcs	1512pcs	Aluminum
M5T150	1576mm x 825mm x 50mm	62.05" x 32.48" x 1.97"	17.0 kg	10pcs	280pcs	560pcs	Aluminum
M5T155	1576mm x 825mm x 50mm	62.05" x 32.48" x 1.97"	17.0 kg	10pcs	280pcs	560pcs	Aluminum
M5T160	1576mm x 825mm x 50mm	62.05" x 32.48" x 1.97"	17.0 kg	10pcs	280pcs	560pcs	Aluminum
M5T165	1576mm x 825mm x 50mm	62.05" x 32.48" x 1.97"	17.0 kg	10pcs	280pcs	560pcs	Aluminum
M5T170	1576mm x 825mm x 50mm	62.05" x 32.48" x 1.97"	17.0 kg	10pcs	280pcs	560pcs	Aluminum
M5T175	1576mm x 825mm x 50mm	62.05" x 32.48" x 1.97"	17.0 kg	10pcs	280pcs	560pcs	Aluminum
M5T180	1576mm x 825mm x 50mm	62.05" x 32.48" x 1.97"	17.0 kg	10pcs	280pcs	560pcs	Aluminum
M5T185	1576mm x 825mm x 50mm	62.05" x 32.48" x 1.97"	17.0 kg	10pcs	280pcs	560pcs	Aluminum
P5T160	1576mm x 825mm x 50mm	62.05" x 32.48" x 1.97"	17.0 kg	10pcs	280pcs	560pcs	Aluminum
P5T165	1576mm x 825mm x 50mm	62.05" x 32.48" x 1.97"	17.0 kg	10pcs	280pcs	560pcs	Aluminum
P5T170	1576mm x 825mm x 50mm	62.05" x 32.48" x 1.97"	17.0 kg	10pcs	280pcs	560pcs	Aluminum
P5T175	1576mm x 825mm x 50mm	62.05" x 32.48" x 1.97"	17.0 kg	10pcs	280pcs	560pcs	Aluminum
P5T180	1576mm x 825mm x 50mm	62.05" x 32.48" x 1.97"	17.0 kg	10pcs	280pcs	560pcs	Aluminum
P6T120	1471mm x 666mm x 35mm	57.91" x 26.22" x 1.38"	12.0kg	14pcs	448pcs	896pcs	Aluminum
P6T125	1471mm x 666mm x 35mm	57.91" x 26.22" x 1.38"	12.0kg	14pcs	448pcs	896pcs	Aluminum
P6T130	1471mm x 666mm x 35mm	57.91" x 26.22" x 1.38"	12.0kg	14pcs	448pcs	896pcs	Aluminum
P6T135	1471mm x 666mm x 35mm	57.91" x 26.22" x 1.38"	12.0kg	14pcs	448pcs	896pcs	Aluminum
P6T140	1471mm x 666mm x 35mm	57.91" x 26.22" x 1.38"	12.0kg	14pcs	448pcs	896pcs	Aluminum
P6T155	1316mm x 995mm x 50mm	51.81" x 39.17" x 1.97"	17.0kg	10pcs	320pcs	680pcs	Aluminum
P6T160	1316mm x 995mm x 50mm	51.81" x 39.17" x 1.97"	17.0kg	10pcs	320pcs	680pcs	Aluminum
P6T165	1316mm x 995mm x 50mm	51.81" x 39.17" x 1.97"	17.0kg	10pcs	320pcs	680pcs	Aluminum
P6T170	1316mm x 995mm x 50mm	51.81" x 39.17" x 1.97"	17.0kg	10pcs	320pcs	680pcs	Aluminum
P6T175	1316mm x 995mm x 50mm	51.81" x 39.17" x 1.97"	17.0kg	10pcs	320pcs	680pcs	Aluminum
P6T180	1316mm x 995mm x 50mm	51.81" x 39.17" x 1.97"	17.0kg	10pcs	320pcs	680pcs	Aluminum
P6T185	1316mm x 995mm x 50mm	51.81" x 39.17" x 1.97"	17.0kg	10pcs	320pcs	680pcs	Aluminum
P6T190	1316mm x 995mm x 50mm	51.81" x 39.17" x 1.97"	17.0kg	10pcs	320pcs	680pcs	Aluminum
P6T205	1646mm x 995mm x 50mm	64.80" x 39.17" x 1.97"	21.0kg	10pcs	280pcs	560pcs	Aluminum
P6T210	1646mm x 995mm x 50mm	64.80" x 39.17" x 1.97"	21.0kg	10pcs	280pcs	560pcs	Aluminum
P6T215	1646mm x 995mm x 50mm	64.80" x 39.17" x 1.97"	21.0kg	10pcs	280pcs	560pcs	Aluminum
P6T220	1646mm x 995mm x 50mm	64.80" x 39.17" x 1.97"	21.0kg	10pcs	280pcs	560pcs	Aluminum
P6T225	1646mm x 995mm x 50mm	64.80" x 39.17" x 1.97"	21.0kg	10pcs	280pcs	560pcs	Aluminum
P6T230	1646mm x 995mm x 50mm	64.80" x 39.17" x 1.97"	21.0kg	10pcs	280pcs	560pcs	Aluminum
P6T235	1646mm x 995mm x 50mm	64.80" x 39.17" x 1.97"	21.0kg	10pcs	280pcs	560pcs	Aluminum
P6T260	1961mm x 995mm x 50mm	77.20" x 39.17" x 1.97"	25.0kg	10pcs	280pcs	560pcs	Aluminum
P6T265	1961mm x 995mm x 50mm	77.20" x 39.17" x 1.97"	25.0kg	10pcs	280pcs	560pcs	Aluminum
P6T270	1961mm x 995mm x 50mm	77.20" x 39.17" x 1.97"	25.0kg	10pcs	280pcs	560pcs	Aluminum
P6T275	1961mm x 995mm x 50mm	77.20" x 39.17" x 1.97"	25.0kg	10pcs	280pcs	560pcs	Aluminum