

□ Specifications of SST280-72M Monocrystalline solar module

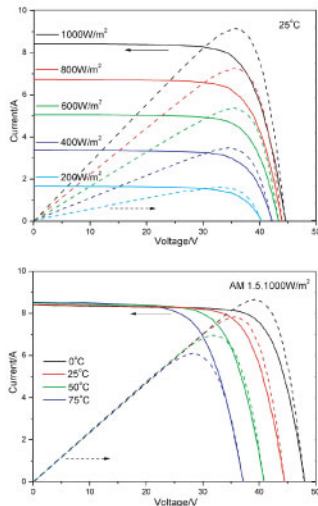
Type	300-72M	295-72M	290-72M	285-72M	280-72M	275-72M	270-72M	265-72M	260-72M	255-72M
Peak Power (Pm)	300	295	290	285	280	275	270	265	260	255
Open Circuit Voltage (Voc)	44.8	44.6	44.5	44.4	44.2	44.1	43.9	43.8	43.7	43.5
Short Circuit Current (Isc)	8.80	8.73	8.68	8.59	8.53	8.46	8.39	8.31	8.23	8.16
Optimum operating Voltage (Vmp)	36.1	35.9	35.8	35.7	35.5	35.3	35.1	35.0	34.8	34.7
Optimum operating Current (Imp)	8.32	8.22	8.11	7.99	7.89	7.80	7.70	7.58	7.48	7.35
Practical module efficiency	17.44%	17.15%	16.86%	16.57%	16.27%	15.98%	15.69%	15.40%	15.11%	14.82%
Maximum system voltage [V]	1000									
Voltage temperature coefficients	-0.307%/K									
Current temperature coefficients	+0.039%/K									
Power temperature coefficients	-0.423%/K									
Series fuse rating[A]	15									
Cells	6×12 pieces monocrystalline solar cells series strings 156mm×156mm(6inch)									
Junction box	with 6 bypass diodes									
Cable	length 900 mm(35.4inch), 1×4 mm ² (0.16in ²)									
Front glass	white toughened safety glass, 3.2 mm (1/8inch)									
Cell encapsulation	EVA (Ethylene-Vinyl-Acetate)									
Back	composite film									
Frame	anodised aluminium profile									
Dimensions	[L×W×H] 1956×990×50mm (77×38.98×1.97inch)									
Weight	23.8Kg (52.4lbs)									

The electrical data relates to standard test conditions [STC]: 1,000 W/m²; AM 1.5; 25°C.
Performance deviation of Pmpp: ± 3%; Performance deviation of Voc, Isc, Vmp and Imp: ± 10%.

□ Operating Condition & Packaging

Maximum surface load capacity	tested up to 5,400 Pa according to IEC 61215	
Hail	maximum diameter of 25 mm with impact speed of 23 m·s ⁻¹	
Temperature range	- 40 °C to + 85 °C	
Dimensions(L×W×H)	Container 20'	Container 40'
1956×990×50mm [77×38.98×1.97inch]	160	384

□ IV-Curves



□ Dimensions

