

Electrical specifications of SST 170-72M Monocrystalline solar module

Type	SST 190-72M	SST 185-72M	SST 180-72M	SST 175-72M	SST 170-72M	SST 165-72M	SST 160-72M	SST 155-72M
Electrical typical data								
Pmpp [Wp]	190	185	180	175	170	165	160	155
Voc[V]	45.0	44.8	44.6	44.5	44.4	44.2	44.0	43.8
Isc[A]	5.50	5.48	5.40	5.34	5.29	5.21	5.16	5.12
Vmpp [V]	36.2	35.8	35.4	35.3	35.2	35.0	35.0	34.8
Imp [A]	5.25	5.17	5.09	4.96	4.83	4.72	4.58	4.46
Practical module efficiency	17.76%	17.29%	16.83%	16.36%	15.89%	15.43%	14.96%	14.49%
Maximum system voltag [V]	1000(IEC)/600(UL)							
Voltage temperature coefficients	-0.37%/K							
Current temperature coefficients	+0.03%/K							
Power temperature coefficients	-0.52%/K							
Series fuse rating[A]	10							
Cells	6×12 pieces monocrystalline solar cells series strings (125mm×125mm)							
Junction box	with 3 bypass diodes							
Cable	length 900 mm, 1×4 mm ²							
Front glass	White toughened safety glass, 3.2 mm							
Cell encapsulation	EVA (Ethylene-Vinyl-Acetate)							
Back	composite film							
Frame	Anodised aluminium profile							
Dimensions	1580×808×35mm(L×W×H)				1580×808×50mm(L×W×H)			
Maximum surface load capacity	tested up to 2,400 Pa according to IEC 61215							
	tested up to 5,400 Pa according to IEC 61215 (advanced test)							
Hail	maximum diameter of 25 mm with impact speed of 23 m•s ⁻¹							
Temperature range	- 40 °C to + 90 °C							

- 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[V],Isc[A],Vmpp [V] and Imp [A]: -/+ 10%.
- certified in accordance with IEC 61215, IEC 61730-1/2 and UL 1703.

