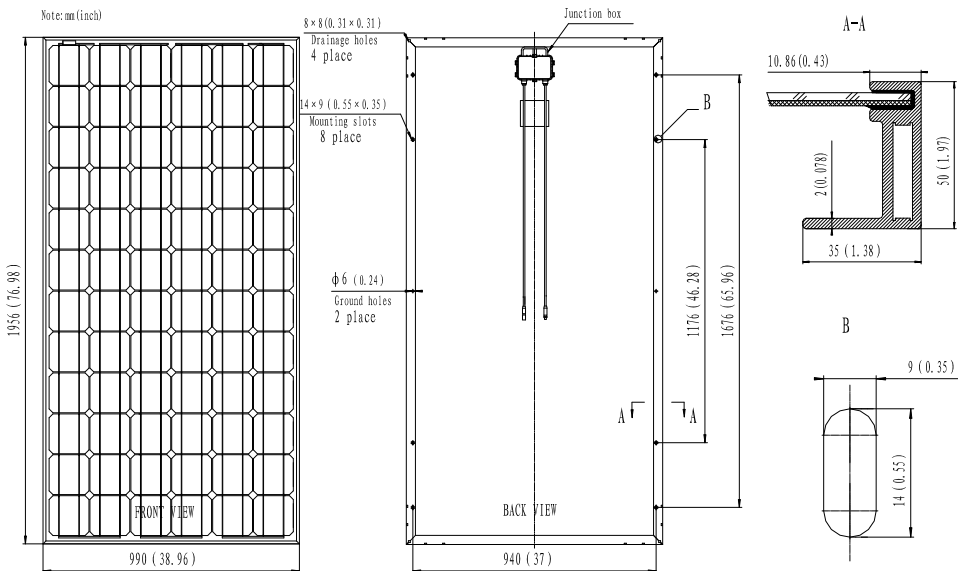


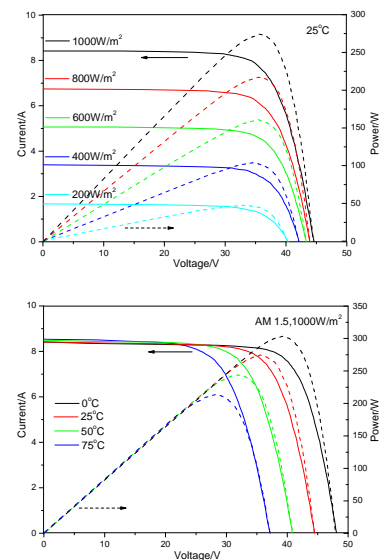
Specifications of SST 295-72M Monocrystalline solar module

Type	SST 300-72M	SST 295-72M	SST 290-72M	SST 285-72M	SST 280-72M	SST 275-72M	SST 270-72M	SST 265-72M
Electrical typical data								
Pmpp [Wp]	300	295	290	285	280	275	270	265
Voc[V]	44.8	44.6	44.5	44.4	44.2	44.1	43.9	43.8
Isc[A]	8.80	8.73	8.67	8.60	8.53	8.46	8.39	8.31
Vmpp [V]	36.1	35.9	35.8	35.7	35.5	35.3	35.1	35.0
Imp [A]	8.32	8.22	8.11	7.99	7.89	7.80	7.70	7.58
Practical module efficiency	17.44%	17.15%	16.86%	16.57%	16.28%	15.98%	15.69%	15.40%
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)							
Junction box	with 6 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 sheet	composite film							
Frame	Anodised aluminium profile							
Dimensions	1956×990×50mm (L×W×H)							
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



I-V Curves



Note:

- ⚡ 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.