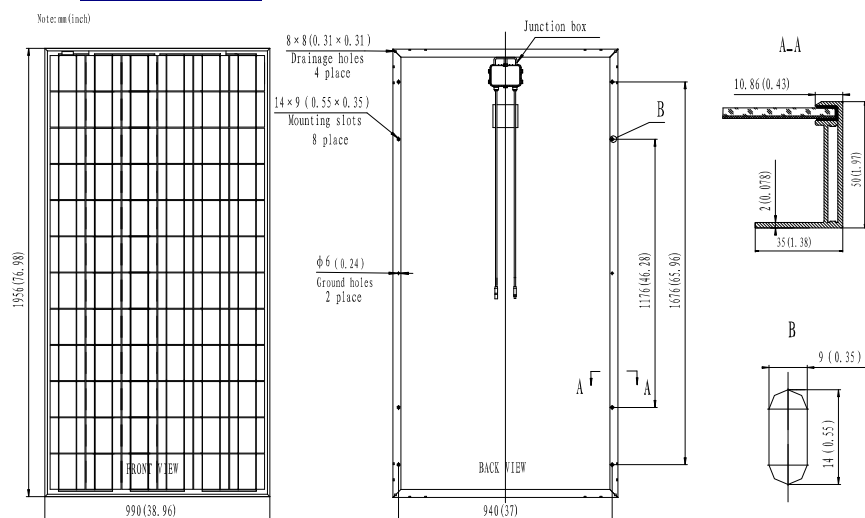


Specifications of SST 275-72P Polycrystalline solar module

Type	SST 280-72P	SST 275-72P	SST 270-72P	SST 265-72P	SST 260-72P	SST 255-72P	SST 250-72P
Electrical typical data							
Pmpp [Wp]	280	275	270	265	260	255	250
Voc[V]	44.0	43.8	43.7	43.6	43.5	43.4	43.3
Isc[A]	8.58	8.48	8.40	8.31	8.21	8.13	8.05
Vmpp [V]	35.3	35.2	35.0	34.9	34.7	34.6	34.4
Imp [A]	7.94	7.82	7.72	7.60	7.50	7.37	7.27
Practical module efficiency	15.98%	15.70%	15.41%	15.12%	14.84%	14.55%	14.27%
Maximum system voltage [V]	1000						
Voltage temperature coefficients	-0.292%/K						
Current temperature coefficients	+0.045%/K						
Power temperature coefficients	-0.408%/K						
Series fuse rating[A]	15						
Cells	6×12 pieces polycrystalline 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



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.

I-V Curves

