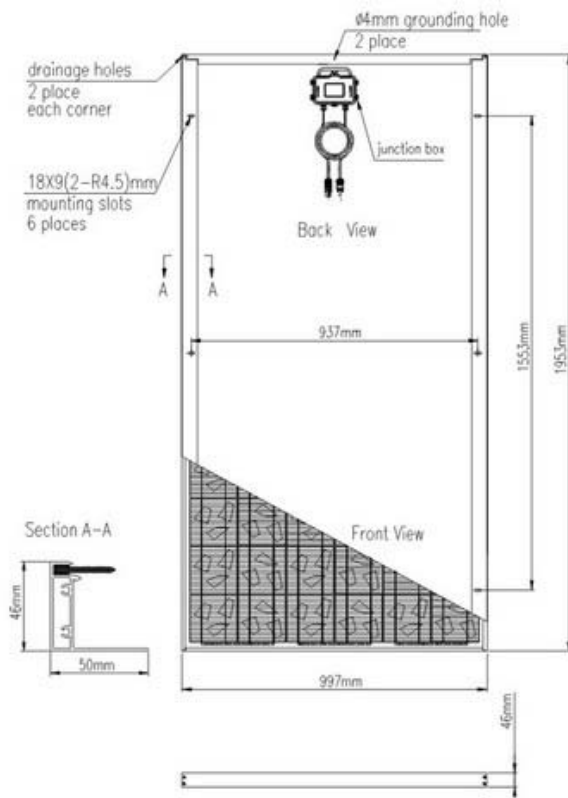


Polycrystalline Solar Module 156X156mm 6x12 Cells

Electrical Characteristics

TUV-Model	UL-270P-72	UL-275P-72	UL-280P-72	UL-285P-72	UL-290P-72	UL-295P-72	UL-300P-72
UL-Model	UL-270P	UL-275P	UL-280P	UL-285P	UL-290P	UL-295P	UL-300P
Max Power Pm(W)	270	275	280	285	290	295	300
Max Power Voltage Vm(V)	36.0	36.1	36.1	36.3	36.3	36.4	36.5
Max Power Current Im(A)	7.50	7.62	7.76	7.85	7.99	8.11	8.22
Open-Circuit Voltage Voc(V)	44.0	44.1	44.3	44.5	44.7	44.9	45.0
Short-Circuit Current Isc(A)	8.20	8.35	8.40	8.45	8.50	8.55	8.60
Cell Efficiency	15.4%	15.7%	16.0%	16.3%	16.6%	16.8%	17.1%
Module Efficiency	13.9%	14.1%	14.4%	14.6%	14.9%	15.2%	15.4%
Power Tolerance	±3%						
Maximum System Voltage(V)	1000(TUV)/600(UL)						
Temperature Coefficient of Isc	0.065%/°C						
Temperature Coefficient of Voc	-0.35%/°C						
Temperature Coefficient of Pmax	-0.40/°C						
Operating Temperature	-40°C~+85°C						
NOCT	47±2°C						
Series Fuse Rating(A)	15						

STC: irradiance: 1000W/mm²; solar spectrum: AM1.5; cell temperature: 25°C



Mechanical Characteristics

Module Dimension (mm)	1953x997x46
Cell Dimension (mm)	156x156
Array (PCS)	6x12
Weight(Kg)	18

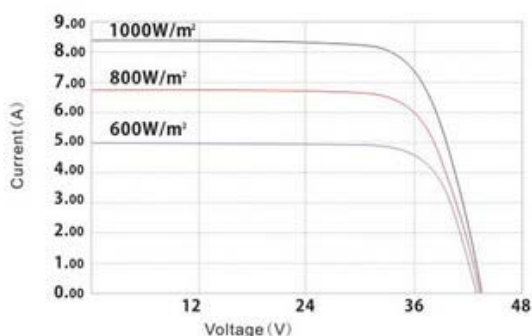
GUARANTEE

- 5-year product guarantee
- 10-year performance guarantee at 90% power output
- 25 year performance guarantee at 80% power output

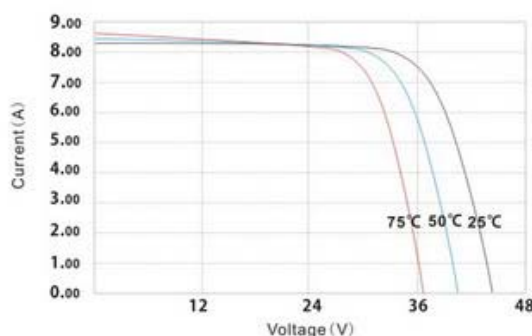
NOTE

- Nominal Operating Cell Temperature above data is only for reference
- Deviation of Vm(V), Im(A), Voc(V) and Isc(A) of ±10%

I-V Curves of UL-280P/UL-280P-72



I-V Curves at different irradiance



I-V Curves at different temperature