

# SPI-72M



### Positive tolerance

Guaranteed power output positive tolerance from 0 to 3%.



### Smart auto-recognition of weak light performance

Smart light auto-recognition under the condition of low irradiance and hazy light (mornings, evenings and cloudy days).



### Steady resistance to strong hailstone, wind and snow loads

Special frame construction certified to ensure high wind loads (2400Pa), snow loads (5400Pa) and hailstone (40mm/4.5m/s).



### Fast Delivery

Worldwide network of over 7 warehouses in USA and EU, ensures the first-time delivery.

**17.01%**  
Max Module Efficiency

**310W**  
Max Power Output

**10 Year**  
Product Warranty

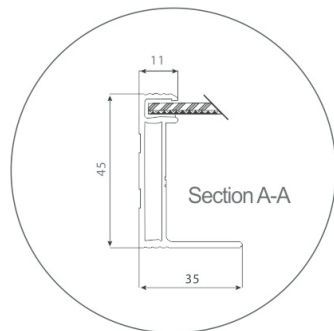
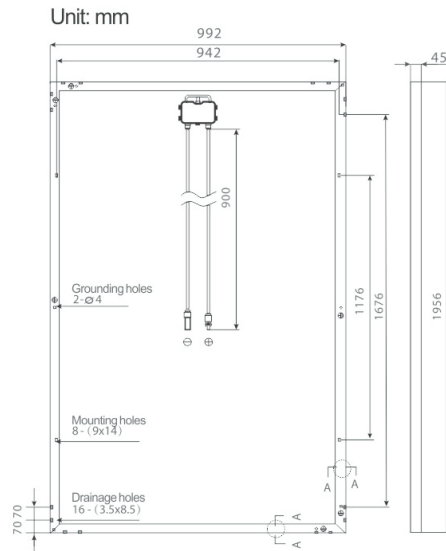
**25 Year**  
Linear Power Warranty

## Certifications



## Linear Performance Warranty





Electrical Data @STC	SPI-72-300M	SPI-72-305M	SPI-72-310M
Peak Power Watts-Pmax(Wp)	300	305	310
Nominal Power Voltage-Vmp(V)	36.3	36.5	36.7
Nominal Power Current-Imp(A)	8.26	8.36	8.45
Open Circuit Voltage-Voc(V)	45.2	45.4	45.6
Short Circuit Current-Isc(A)	8.87	8.95	9.02
Module Efficiency-ηm(%)	15.46	15.72	15.98

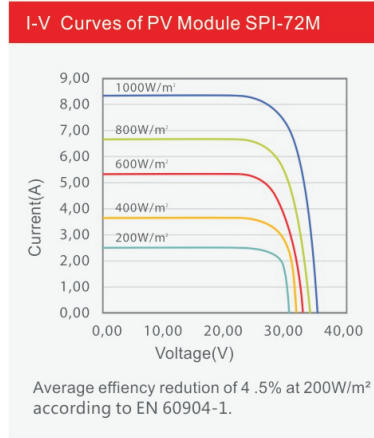
Values at Standard Test Conditions STC(Air Mass:AM1.5,Irradiance:1000W/M<sup>2</sup>,Cell Temperature:25).

Electrical Data @NOCT	SPI-72-300M	SPI-72-305M	SPI-72-310M
Peak Power Watts-Pmax(Wp)	218	221	224
Nominal Power Voltage-Vmp(V)	33.3	33.4	33.5
Nominal Power Current-Imp(A)	6.54	6.61	6.68
Open Circuit Voltage-Voc(V)	41.4	41.5	41.6
Short Circuit Current-Isc(A)	7.03	7.11	7.21

NOCT:Irradiance at 800W/M<sup>2</sup>,Ambient Temperature:20°C,Wind Speed 1m/s.

Operating Conditions	
Maximum System Voltage	1000V <sub>DC</sub>
Max Series Fuse Rating	15A
Operating Temperature Range	-40°C~+85°C
Max.Static Load,Front	5400Pa
Max.Static Load,Back	2400Pa
Max.Hailstone Impact	40mm/4.5m/s

Mechanical Data	
Solar Cells	Monocrystalline 156*156mm(6 inches)
Cells Orientation	72cells(6*12)
Module Dimension	1956*992*45mm
Weight	22.5kg
Glass	High transparency and low-iron tempered solar glass 3.2mm(0.13 inches)
Frame	Silver color anodized aluminum alloy
Junction Box	IP 67 rated
Cable	Photovoltaic technology cable:4.0mm <sup>2</sup> (0.006 inches <sup>2</sup> ),900mm(35.4 inches)
Connector	MC4 Compatible/IP65 or MC4 Original/IP67



Temperature Ratings

Nominal Operating Cell Temperature(NOCT)	(45±3)°C
Temperature Coefficient of Pmax	(-0.402)%/k
Temperature Coefficient of Voc	(-0.332)%/k
Temperature Coefficient of Isc	(0.087)%/k



Warranty

10 year workmanship warranty
25 year linear performance warranty

Packaging Configuration

23pcs per ctn+38pcs per ctn,2pcs per box,(2ctns+2boxes) per plt,10 plts(50pcs)+1plt(80pcs),580 per 40'HQ
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Warning:read the installation manual before handing,installing and operating soltonpower modules.  
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