

SP390-72M 12BB

380W/385W/390W

High Efficiency Mono-crystalline Photovoltaic Module



Power tolerance

0~±3%



Withstand strong snow load

5400 Pa / wind load 2400 Pa



Excellent low light performance

3.5% relative eff.reduction at low-irradiance(200W/m²)

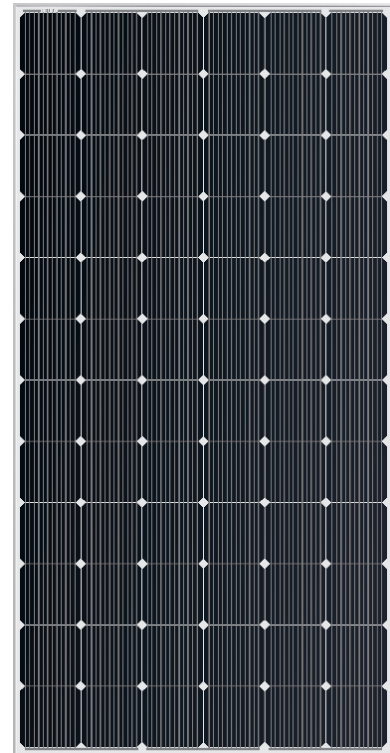


100% EL online Inspection

Better module reliability



AMMONIA & SALT RESISTANCE PID FREE



Reliability & Certification

Product Guarantee: 10-year

Linear Performance Warranty

10-year : 90.7% power output

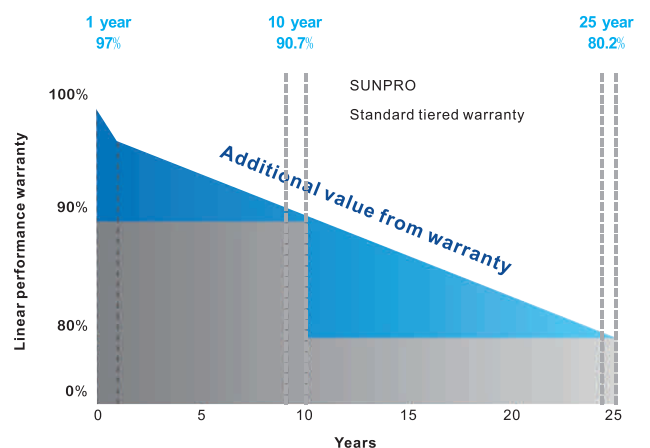
25-year : 80.2% power output



ISO 14001

ISO 9001

OHSAS 18001



Product Specification

Electrical parameters at standard test conditions
(STC:AM=1.5,1000W/m²,Cells Temperature 25°C)

Typical type	380W	385W	390W
Max power(Pmax)	380	385	390
Max power voltage(Vmp)	39.6	39.7	39.8
Max power current(Imp)	9.60	9.70	9.80
Open circuit voltage(Voc)	48.5	48.6	48.7
Short circuit current(Isc)	10.07	10.17	10.27
Module Efficiency(%)	19.58	19.84	20.10
Max system voltage	DC 1500V(TUV) / DC 1000V(TUV)		
Maximum Series Fuse Rating	15A		

Mechanical Data

Item	Specification
Dimensions	1956x992x40mm
Weight	21.5kgs
Front glass	3.2mm tempered glass
Output cables	4mm ² symmetrical lengths 900mm
Connectors	MC4 compatible IP67
Cell type	Mono-Crystalline PERC 12BB 156mm x 156mm
Number of cells	72 cells in series

Temperature Characteristics

Item	Specification
Temp.Coeff.of Isc(TK Isc)	0.049%/°C
Temp.Coeff.of Voc(TK Voc)	-0.29%/°C
Temp.Coeff.of Pmax(TK Pmax)	-0.39%/°C
Operating temperature	-40~+85°C
Normal operating cell temperature	45±2°C

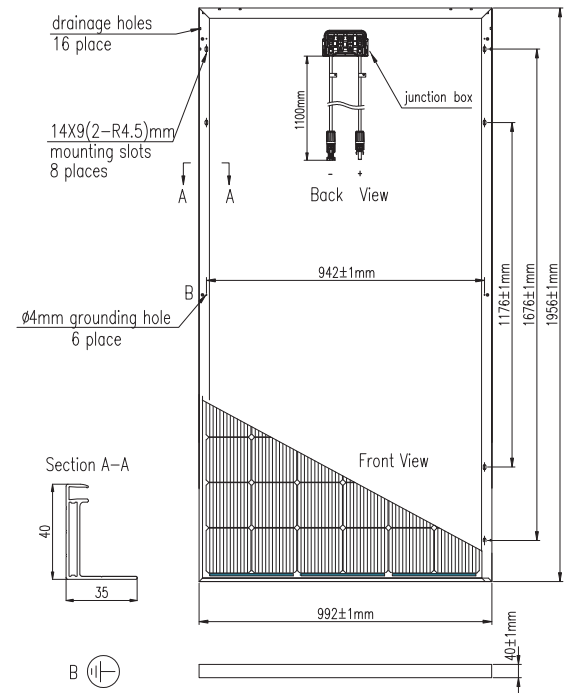
Packing Configuration

Item	Specification		
Container	20'GP	40'GP	40'HQ
Pieces per pallet	52	48	58
Pallets per container	5	11	12
Pieces per container	260	528	696

Tests, Certifications and Warranties

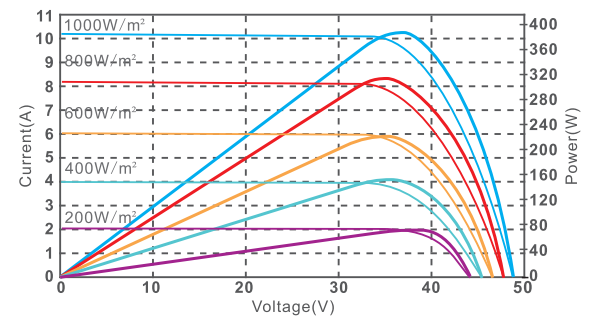
Item	Specification
Standard tests	IEC 61215, IEC 61730
System certs	ISO 9001, ISO14001, OHSAS 18001
Certifications	TUV, AMMONIA AND SALT MIST CORROSION, ANTI-PID, CE, WEEE, INMERTRO
Extreme wind and snow loads testing	Withstand extreme wind(2400 Pascal) and snow loads(5400 Pascal)
Power tolerance	0~±3%
Junction box	IP67
Warranties	10 years product warranty and 25 years 80% of power

Dimensions and Structure



I-V Curve

I-V characteristics at different irradiances



I-V characteristics at different temperature

