

Monocrystalline Module

Dimensions : 992*1330*30mm
 Mono Power : 220W~250W



250W

Max power output

18.95%

Max Efficiency

±3%

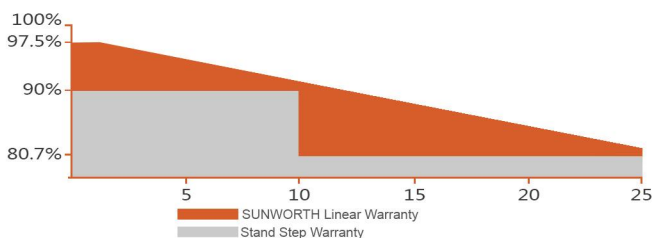
Positive Power Tolerance

SUNWORTH - Your Trusted Brand of High Quality

- Professional crystalline silicon photovoltaic module manufacturer.
- Fully automated production line with leading photovoltaic technology.
- Adopt strict international standard quality management system ISO 9001:2015, ISO14001: 2015.
- Passed variety of harsh environmental tests (salt spray, ammonia and sand storm corrosion test IEC61730-2:2016, IEC61215:2016).
- Twice EL test to ensure the reliability of the solar modules.

Linear Performance Warranty

10 years Product Warranty 25 years Linear Power Warranty



5 Bus Bar Solar Cells

5 BB solar cells, improve the modules' efficiency ,and contributed a better aesthetic appearance



High Efficiency

High efficiency solar cells to keep the module efficiency reach to 18.95%



Low-light Performance

Advanced glass and cell surface textured design ensure excellent performance in low-light environment



PID Resistance

Excellent Anti-PID performance guarantee limited power degradation for mass production



Severe Weather Resilience

2400 Pa wind load
 5400 Pa snow load



100% EL Testing

100% EL detection before and after lamination

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Mono Power: 220W~250W

Electrical Characteristics

Model No.	SW220M-72	SW240M-72	SW250M-72
Maximum Power (Pmax)	220W	240W	250W
Max-power Voltage (Vmp)	37.20V	37.90V	38.40V
Max-power Current (Imp)	5.92A	6.34A	6.52A
Open-circuit Voltage (Voc)	45.44V	46.47V	47.15V
Short-circuit Current (Isc)	6.17A	6.70A	6.90A
Module Efficiency	16.67%	18.19%	18.95%
Operating Temperature	-40°C~+85°C		
Maximum System Voltage	1000Vdc		
Maximum Series Fuse Rating	15A		
Power Tolerance	±3%		

*STC condition: 1000 W/m², 1.5AM and 25°C cell temperature

Temperature Characteristics

NMOT	46°C±2°C
Temperature Co-efficient of Pmax	-0.398%/°C
Temperature Co-efficient of Voc	-0.340%/°C
Temperature Co-efficient of Isc	0.0576%/°C

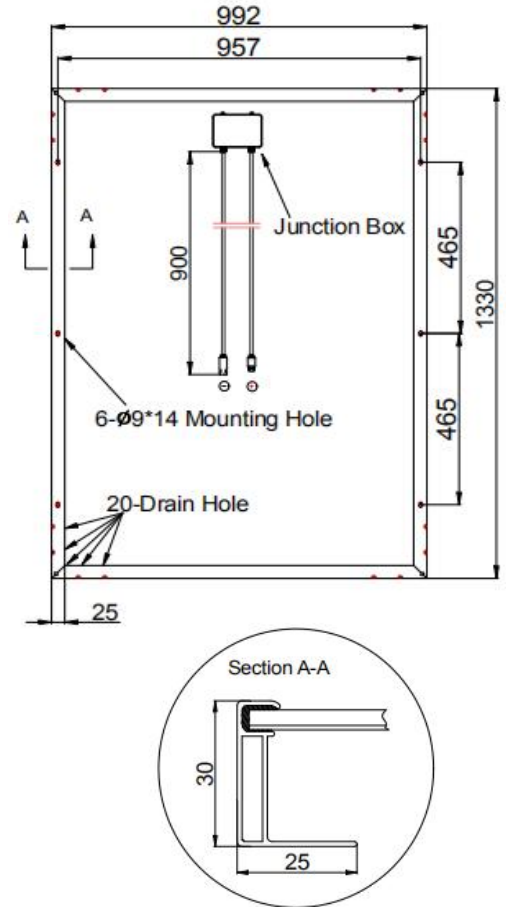
Mechanical Characteristics

Mono Power	220W~250W
Cell Type	Mono 156.75*104.5mm
Cell Arrangement	72(6*12)
Dimensions	992*1330*30mm
Weight	13.9kg
Front Cover	3.2mm tempered glass
Frame Material	Anodized aluminium alloy
Junction Box	IP65 rated
Output Cables	4mm ² , Length 900mm+MC4

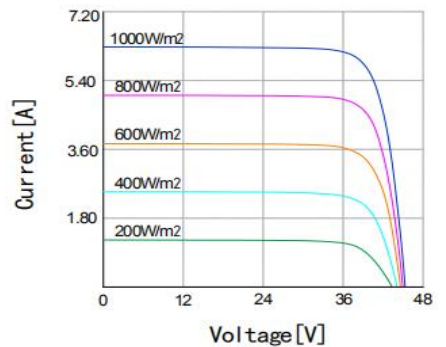
Packing

Packing	20'GP	40'HC
Pieces per Carton	35	35
Pieces/container	560	1120

Module Size



I-V Curve



SUNWORTH solar modules have superior performance under low solar irradiation condition (200W/ m² (AM1.5, 25 °C)