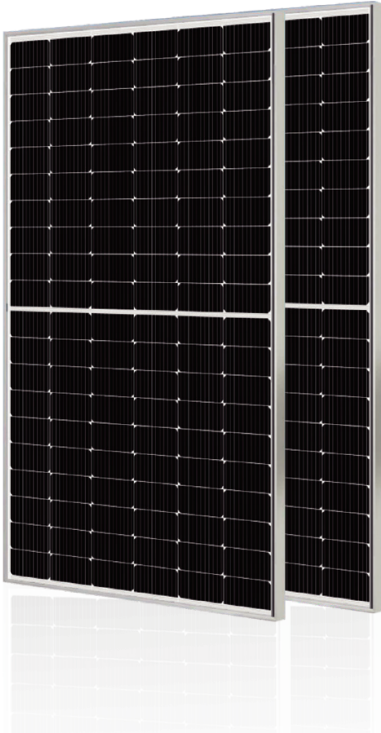


PS450W#PVPS

Mono Half-cut Single Glass Module

Solar Module Features



Multi Busbar Technology

Better light trapping and current collection to improve, Effectively improve the module's power output and reliability.



Higher Output Power

Module output power increased to SOSW.



Low light performance

The special solar cell technology has excellent low light power generation performance.



Better resistance to hot spots

The use of half cell structure and special circuit design is less shade loss, with better temperature coefficient and thermal spot resistance ability.



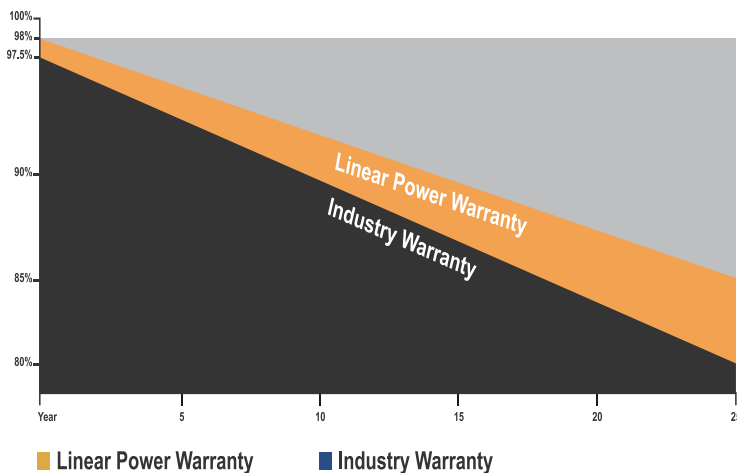
Adaptability to harsh environments

High performance materials are suitable for coastal, farm, desert and other harsh environmental conditions, glass surface is anti-reflective and easy to clean, minimizing power generation losses caused by dirt and dust.

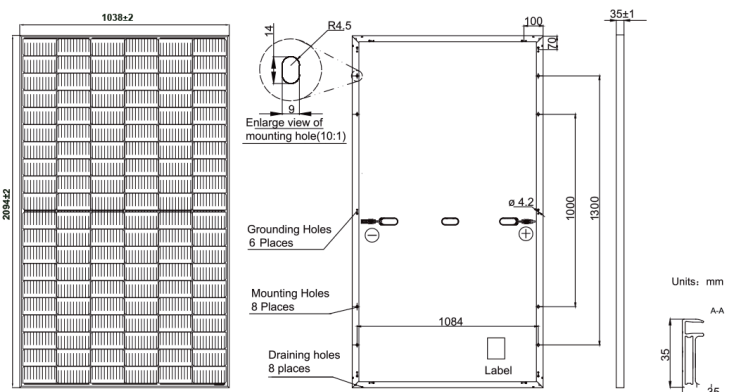
Class A Quality Assurance

- 10-year warranty for material and technology
- 25-year linear power output warranty

Comprehensive Certificates



Comprehensive Certificates



Specifications

Solar Cell(Type/Size)	MONO (182mm)
Solar Cells Number	120pcs (6*20)
Dimensions	2094*1038*35mm
Weight	23.3kg/pcs
Structure	3.2 Glass+EVA film+Back
Frame	Anodized Aluminum Alloy
Junction Box	IP68 3*Bypass Diode
Cable Cross Section Size	4.0mm ² .(+)-300mm/(-)
Mechanical Load	400mmFront 5400 Pa/Back
Packing Number	2400 Pa

Electrical Parameters at STC

Module Type	PS450W#PVPS
Rate Maximum Power(Pmax/W)	450W
Module Efficiency(%)	21.16%
Open Circuit Volatge(Voc/V)	49.30V(±3%)
Short Circuit Current(Isc/A)	11.60A(±3%)
Voltage at Pmax(Vmp/V)	41.50V
Current at Pmax(Imp/A)	10.85A
Power Tolerance	Up to 3%
Temperature Coefficient of Isc	+0.05%/°C
Temperature Coefficient of Voc	-0.27%/°C
Temperature Coefficient of Pmax	-0.35%/°C

STC:1000W/m² irradiance,25°C module temperature, AM1.5g Spectrum according to EN 60904-3.

Average relative efficiency reduction of 3.3% at 200W/m² according to EN 60904-1.

Electrical Parameters at NOTC

Module Type	PS450W#PVPS
Rate Maximum power(P max/W)	340
Open Circuit Volatge(Voc/V)	38.65
Short Circuit Current(Isc/A)	11.08
Voltage at Pmax(Vmp/V)	32.51
Current at Pmax(Imp/A)	10.46

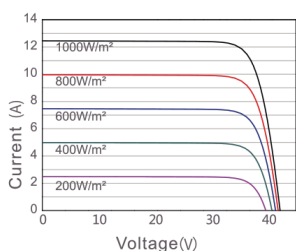
NOCT: Irradiance 800W/m² AmbientTemperature 20°C Wind at 1m/s AM1.5

Operating Conditions

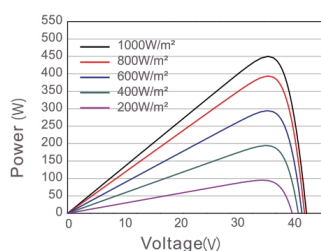
Operating Temperature	-40~+85°C
Maximum System Voltage	1500VDC
NOCT	45±2°C
Fireproof Performance	Glass C
Maximum Series Fuse	20A
Temperature Coefficient of Voc	-0.276%/K
Temperature Coefficient of Isc	+0.046%/K

Characteristics

Current Voltage Curve 450W



Power Voltage Curve 450W



Current Voltage Curve 450W

