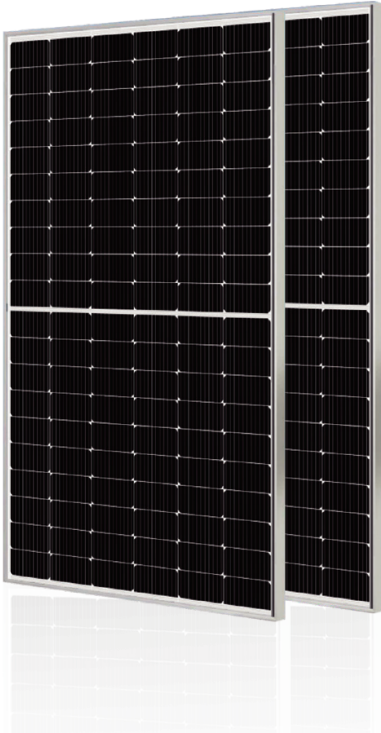


## PS450W#PVPS

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.



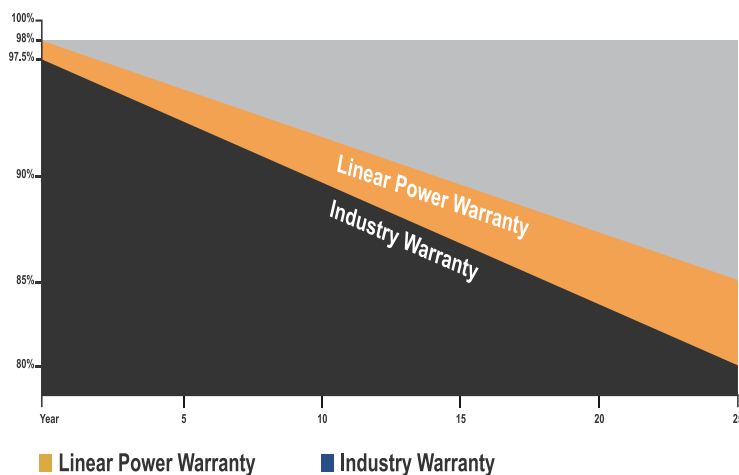
#### Adaptability to harsh environments

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.

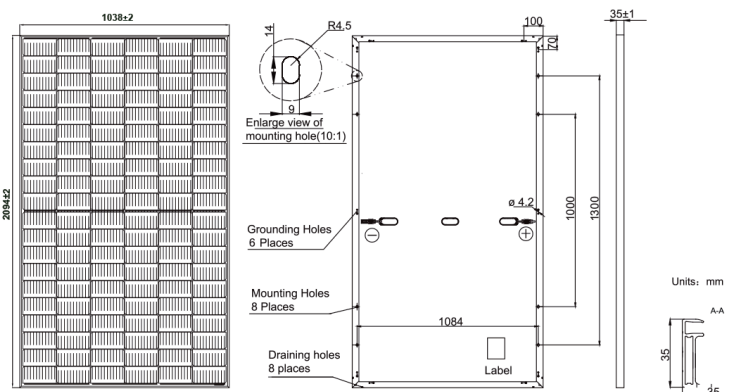
### Class A Quality Assurance

- 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 <sup>2</sup> .(+/-)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/m<sup>2</sup> irradiance,25°C module temperature, AM1.5g Spectrum according to EN 60904-3.

Average relative efficiency reduction of 3.3% at 200W/m<sup>2</sup> 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

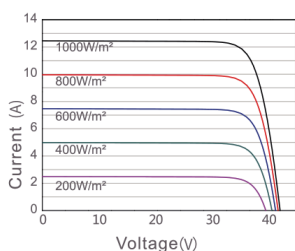
NOCT: Irradiance 800W/m<sup>2</sup> AmbientTemperature 20°C Wind at 1m/s AM1.5

## Operating Conditions

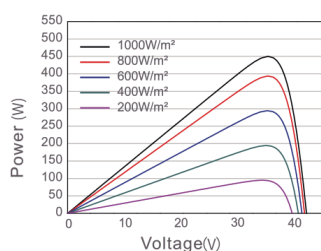
Operating Temperature	-40~+85°C
Maximum System Voltage	1500VDC
NOCT	45±2°C
Fireproof Performance	Glass C
Maximum Series Fuse	20A
Temperature Coefficient of Voc	-0.276%/K
Temperature Coefficient of Isc	+0.046%/K

## Characteristics

Current Voltage Curve 450W



Power Voltage Curve 450W



Current Voltage Curve 450W

