

N⁺SERIES

SUN182THC480-60

MONO-FACIAL MODULE

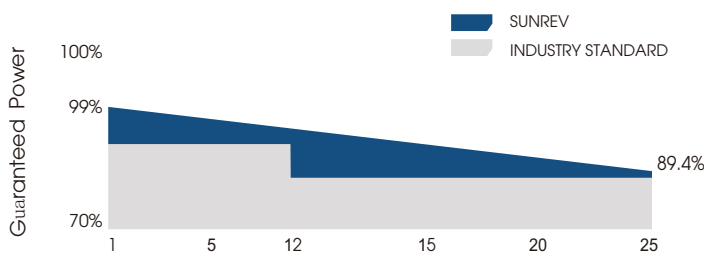
N-Type

IEC 61215(2016), IEC 61730(2016)

ISO 9001:2015: Quality management system

ISO 14001:2015: Environment System

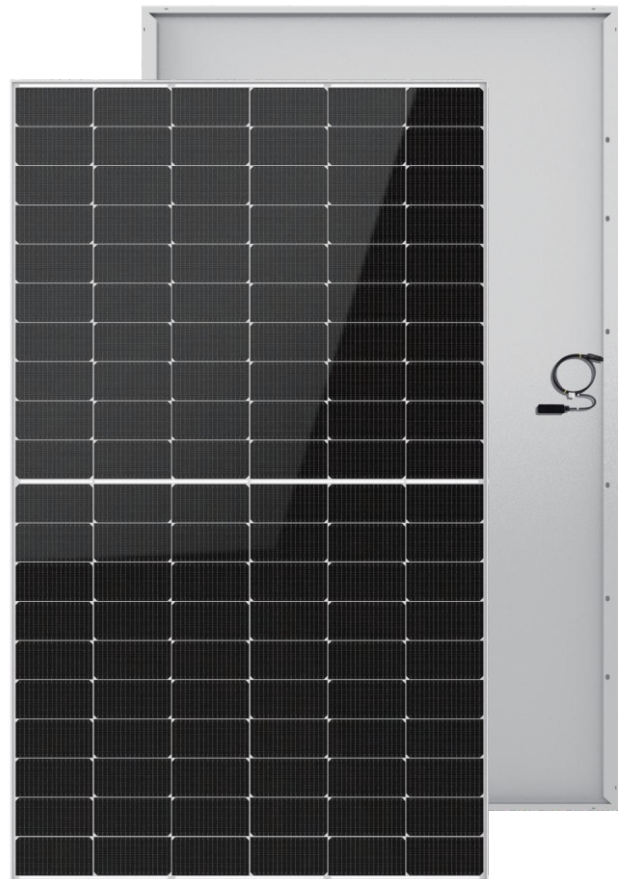
ISO 45001:2018: Occupational health management systems



12-Year Product Warranty

25-Year Linear Performance Warranty

0.4% Annual Degradation Over 25 years



PRODUCT FEATURES



SMBB Technology Half Cut Topcon Cell

Better light trapping and current collection to improve module power output and reliability.



Excellent Low-light Performance

Better performance under shading effect.



HOT 2.0 Technology

The N-type module with Hot 2.0 technology has better reliability and lower LID/LETID

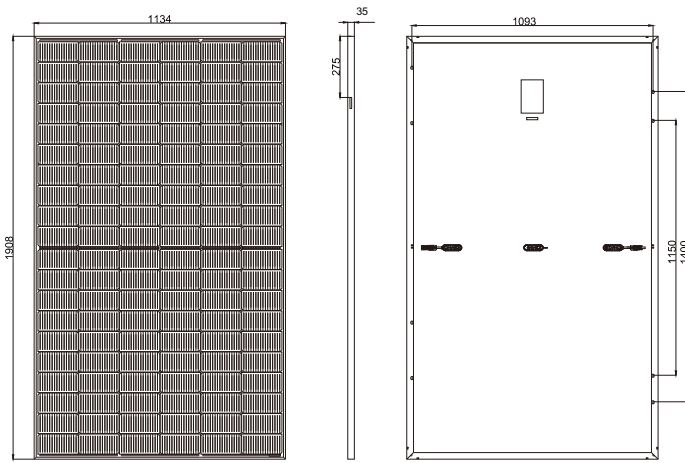


Enhanced Mechanical Load

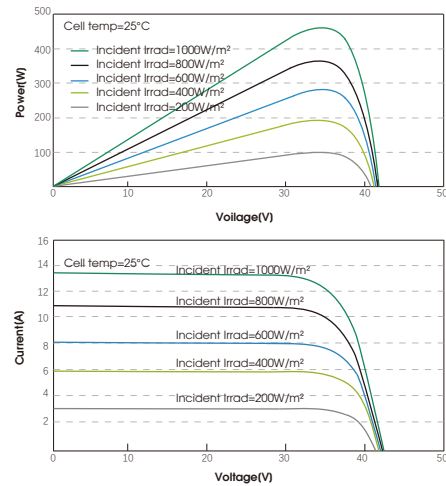
Certified to withstand: wind load (2400Pa) and snow load (5400Pa).



Drawing Information



I-V Curve



Mechanical Parameters

Cell Type	N type Mono-crystalline
No. of cells	120(6x20)
Dimensions	1908×1134×35mm
Weight	23.5 kg
Front Glass	3.2mm Toughened Glass
Back sheet	white
Frame	Anodized Aluminum Alloy Frame
Junction Box	IP68 Rated / 3 Diodes
Output Cables	4.0mm²/+300mm -300mm, or Customized Length
Connector	Zerun Co.,Ltd. Z4S-abcde,IP68
Fire Rating	Class C

Packaging Configuration

Per Pallet	31 Pcs
Container	40'HQ
Pcs/Container	744

SPECIFICATIONS

Module Type	SUN182THC480-60
Power Sorting	0~+5W
Maximum Power(Pmax/W±3%)	480
Maximum Power Voltage(Vmp/V)	35.42
Maximum Power Current(Imp/A)	13.55
Open-circuit Voltage(Voc/V±3%)	42.83
Short-circuit Current(Isc/A±3%)	14.37
Module Efficiency(%)	22.18%
Operating Temperature(°C)	-40°C ~ +70°C
Maximum system voltage	DC1500V
Maximum series fuse rating	25A
Power tolerance	±3%
Temperature coefficients of Pmax	-0.25%/°C
Temperature coefficients of Voc	-0.29%/°C
Temperature coefficients of Isc	0.04%/°C
Nominal operating cell temperature(NOCT)	45±2°C

*STC: Irradiance 1000W/m² Cell Temperature 25°C AM=1.5

Sunrev(Yangzhou)PhotovoltaicTechnologyCo.,Ltd.

Add: No.118,JingangRoad,YangzhoueconomicandTechnologicalDevelopment, Zone225100YangzhouCity,JiangsuProvince,PEOPLE'SREPUBLICOFCHINA



en.sunrev.com.cn