

N⁺SERIES

SUN182THC430/435-54

MONO-FACIAL MODULE

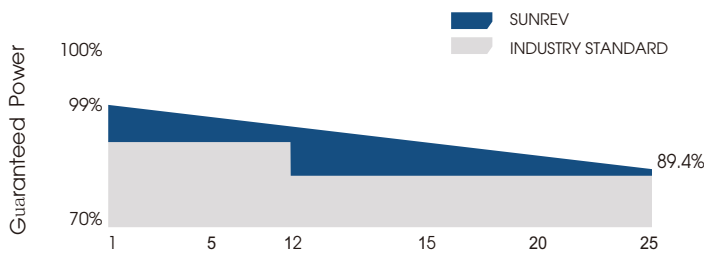
N-Type

IEC 61215(2016), IEC 61730(2016)

ISO 9001:2015: Quality management system

ISO 14001:2015: Environment System

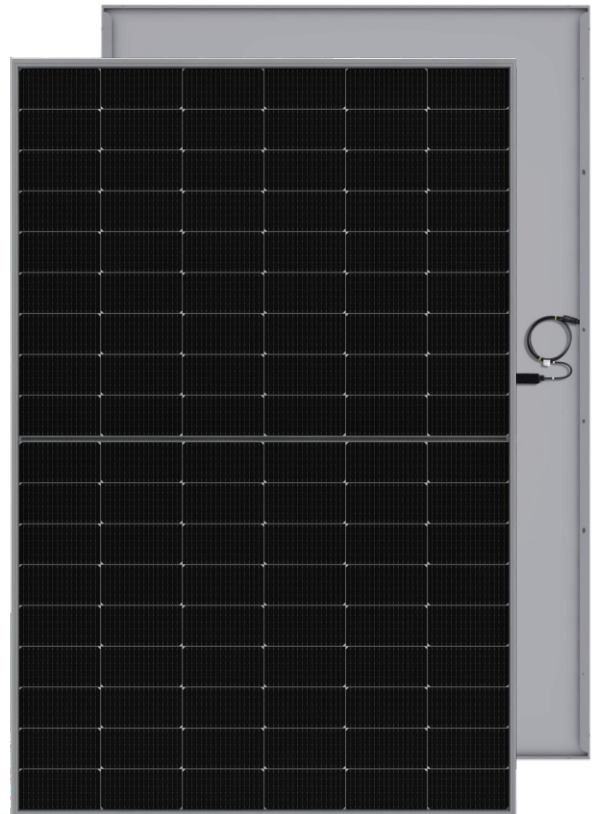
ISO 45001:2018: Occupational health management systems



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

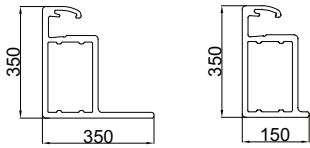
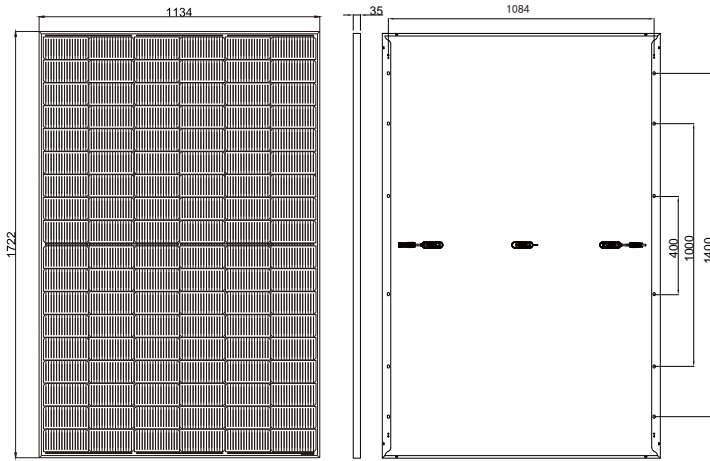


Enhanced Mechanical Load

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



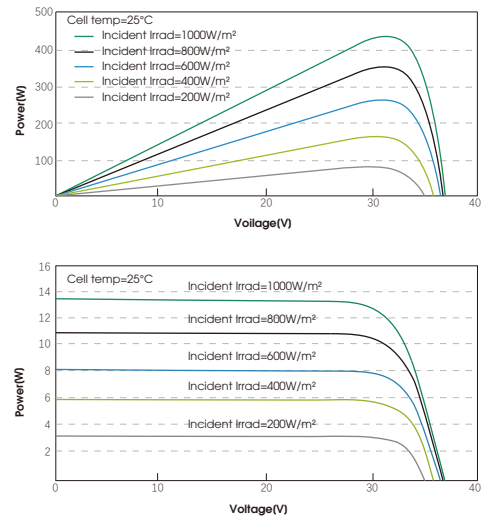
Drawing Information



Packaging Configuration

Per Pallet	31 Pcs	
Container	20' GP	40' HQ
Pcs/Container	186	806

I-V Curve



Mechanical Parameters

Cell Type	N type Mono-crystalline
No. of cells	108(6x18)
Dimensions	1722x1134x35mm
Weight	21.5kg
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

ELECTRICAL PARAMETERS

Module Type	SUN182THC430-54	SUN182THC435-54
Power Sorting	0~+5W	
Maximum Power(Pmax/W±3%)	430	435
Maximum Power Voltage(Vmp/V)	31.76	31.94
Maximum Power Current(Imp/A)	13.54	13.62
Open-circuit Voltage(Voc/V±3%)	38.30	38.45
Short-circuit Current(Isc/A±3%)	14.37	14.42
Module Efficiency(%)	22.02%	22.28%
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