

S⁺ SERIES

SUN182MHC550-72

MONO-FACIAL MODULE

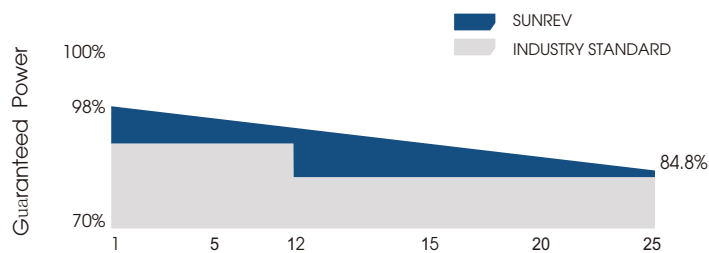
PERC-Type

IEC 61215(2016), IEC 61730(2016)

ISO 9001:2015: Quality management system

ISO 14001:2015: Environment System

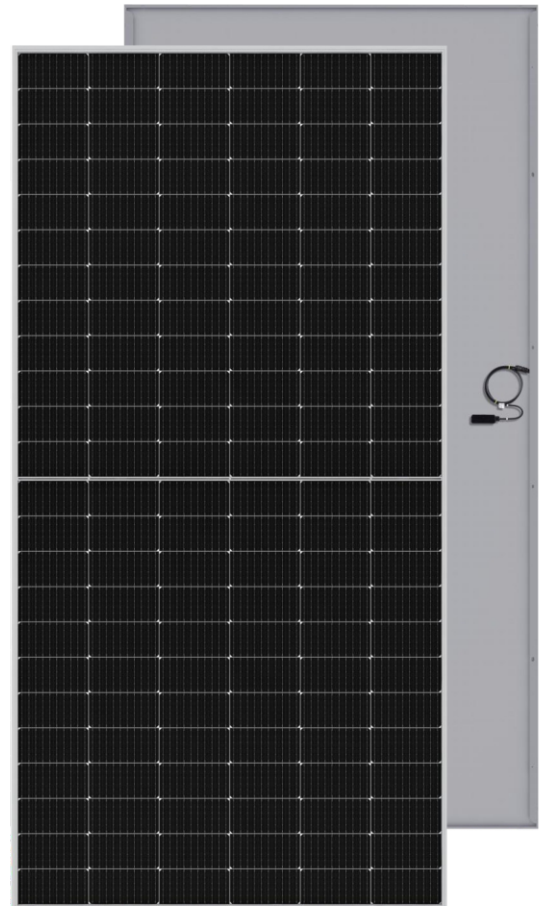
ISO 45001:2018: Occupational health management systems



12-Year Product Warranty

25-Year Linear Performance Warranty

0.55% Annual Degradation Over 25 years



PRODUCT FEATURES



MBB PERC Half Cut Cell

Higher power generation with multi-busbar and half-cut technology.



Enhanced Mechanical Load

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



Excellent Low-light Performance

Better performance under shading effect.

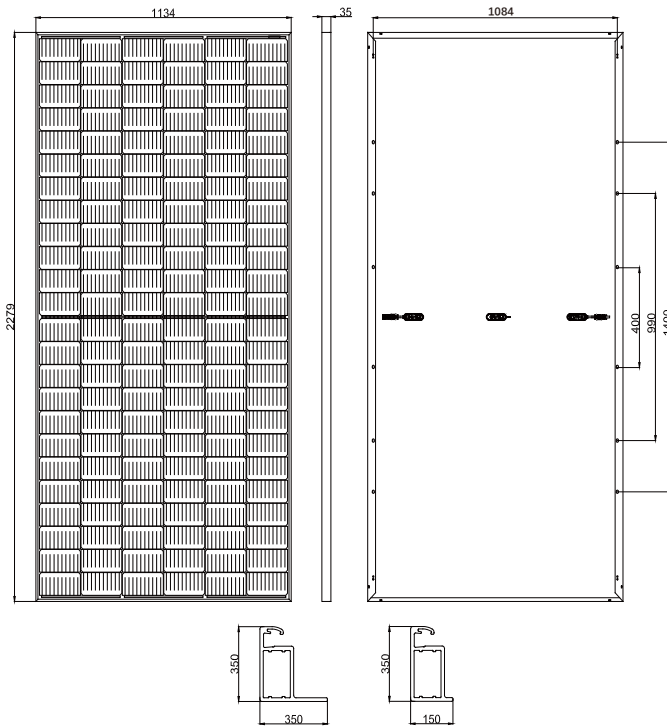


High Reliability

Guaranteed $\pm 3\%$ positive tolerance secures reliable power output. Optimized electrical design lowers hot spot risk and operating current.



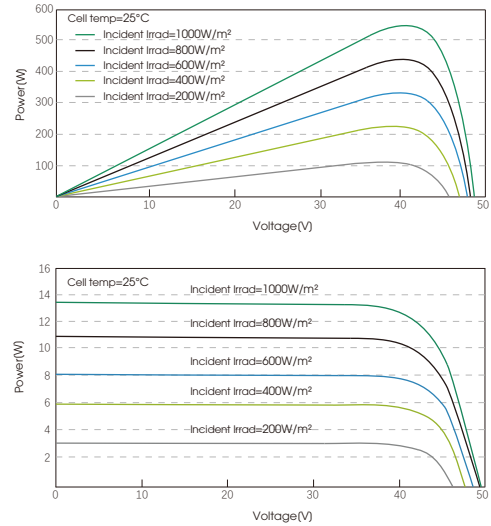
Drawing Information



Packaging Configuration

Per Pallet	31 Pcs	
Container	20'GP	40'HQ
Pcs/Container	155	620

I-V Curve



Mechanical Parameters

Cell Type	PERC type Mono-crystalline
No. of cells	144(6x24)
Dimensions	2279×1134×35mm
Weight	28kg
Front Glass	3.2mm Toughened Glass
Backsheet	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	SUN182MHC550-72
Power Sorting	0~+5W
Maximum Power(Pmax/W±3%)	550
Maximum Power Voltage(Vmp/V)	41.33
Maximum Power Current(Imp/A)	13.31
Open-circuit Voltage(Voc/V±3%)	49.83
Short-circuit Current(Isc/A±3%)	13.80
Module Efficiency(%)	21.28%
Operating Temperature(°C)	-40°C~+70°C
Maximum system voltage	DC1500V
Maximum series fuse rating	25A
Power tolerance	±3%
Temperature coefficients of Pmax	-0.28%/°C
Temperature coefficients of Voc	-0.35%/°C
Temperature coefficients of Isc	0.05%/°C
Nominal operating cell temperature(NOCT)	45±2°C

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

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