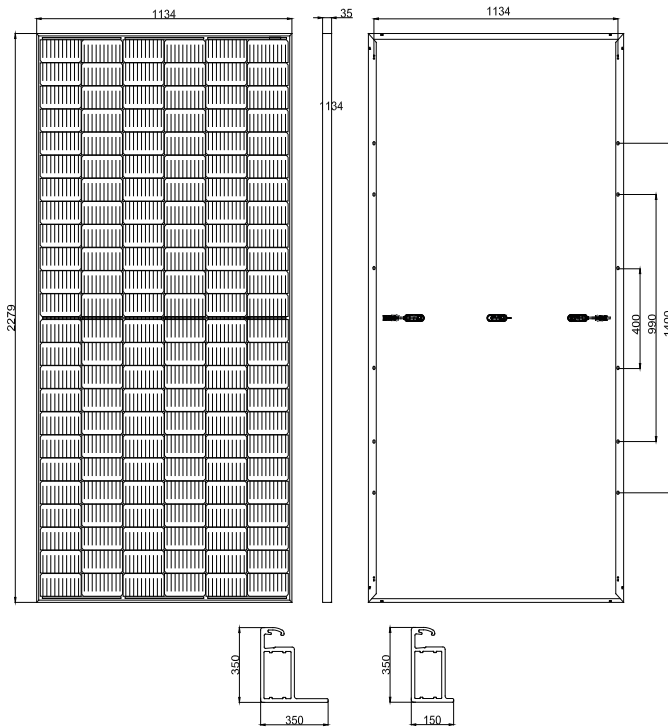


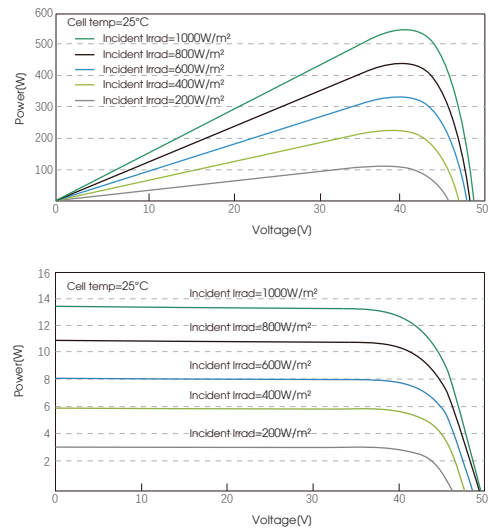
Drawing Information



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	2279x1134x35mm
Weight	28kg
Front Glass	3.2mm Toughened Glass
Back Glass	white
Frame	Anodized Aluminum Alloy Frame
Junction Box	IP68 Rated / 3 Diodes
Output Cables	4.0mm²/+450mm -250mm, or Customized Length

ELECTRICAL PARAMETERS

Module Type	182MHC535-72		182MHC540-72		182MHC545-72		182MHC550-72		182MHC555-72	
	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
Maximum Power(Pmax/W)	535	398	540	402	545	405	550	409	555	413
Maximum Power Voltage(Vmp/V)	40.88	38.02	41.03	38.28	41.18	38.45	41.33	39.62	41.48	38.79
Maximum Power Current(Imp/A)	13.10	10.47	13.17	10.50	13.24	10.53	13.31	10.32	13.39	10.65
Open-circuit Voltage(Voc/V)	49.38	45.73	49.53	46.85	49.68	46.94	49.68	47.04	50.08	47.13
Short-circuit Current(Isc/A)	13.54	10.94	13.63	11.05	13.71	11.12	13.71	11.15	13.81	11.23
Module Efficiency(%)	20.65%		20.84%		21.03%		21.23%		21.48%	
Operating Temperature(°C)	-40°C~+85°C									
Maximum system voltage	DC100V/1500V									
Maximum series fuse rating	25A									
Power tolerance	0~+5W									
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

*NOCT: Irradiance 800W/m²

Cell Temperature 25°C

AM=1.5

Wind Speed 1m/s



S⁺ SERIES

SUN182MHCxxx-72

535-555 Watt

MONO-FACIAL MODULE

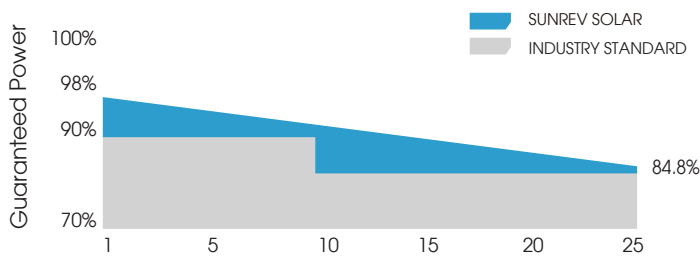
PERC-Type

EC 61215(2016), IEC 61730(2016)

ISO 9001:2015: Quality management system

ISO 14001:2015: Environment System

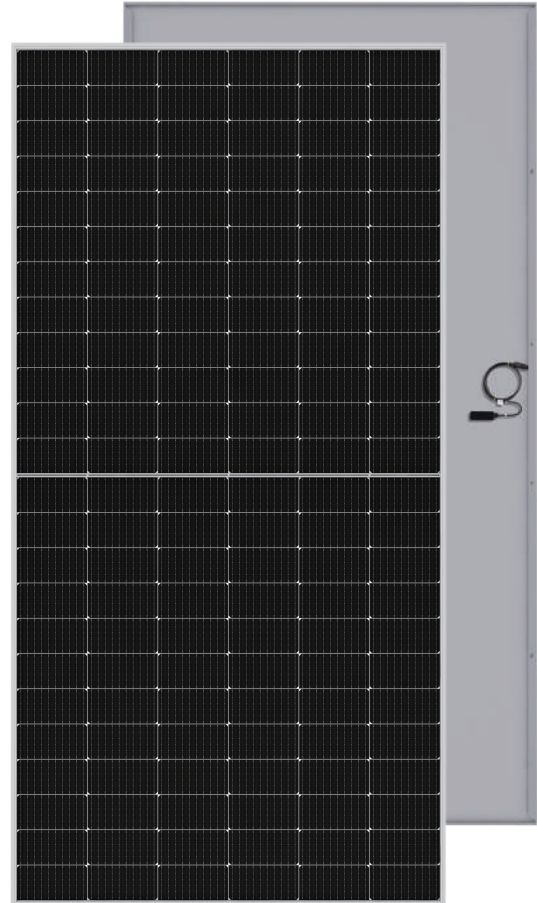
ISO 45001:2018: Occupational health management systems



12-Year Product Warranty

25-Year Linear Performance Warranty

0.55% Annual Degradation Over 30 years



PRODUCT FEATURES



MBB PERC Half Cut Cell

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



Excellent Low-light Performance

Better performance under shading effect.



High Reliability

Guaranteed 0~+5W positive tolerance secures reliable power output. Optimized electrical design lowers hot spot risk and operating current.



Anti PID

Industry-leading cell processing technology and electrical design ensure.



Enhanced Mechanical Load

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

