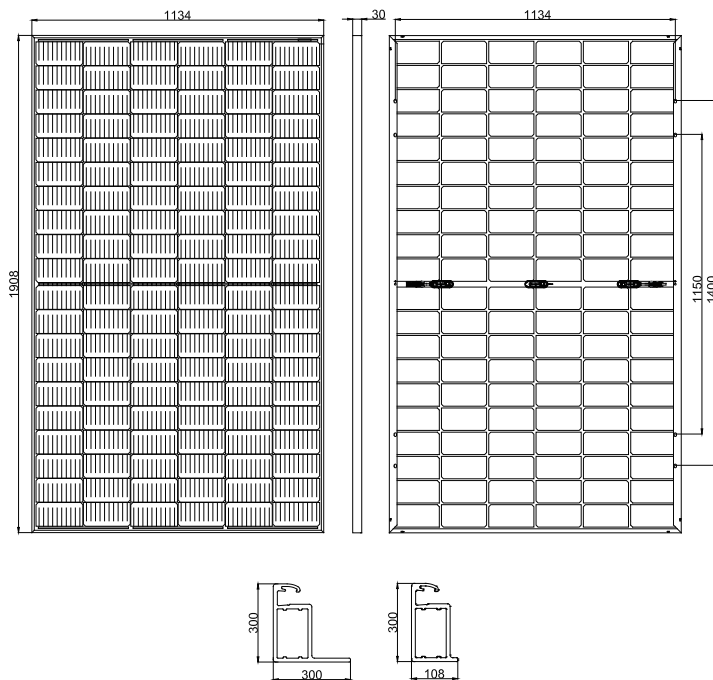


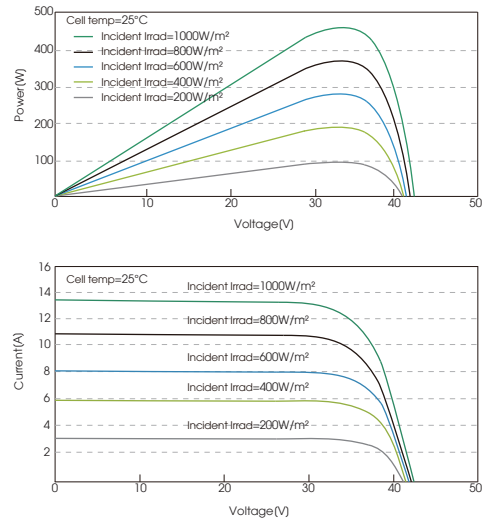
Drawing Information



Packaging Configuration

Per Pallet	36 Pcs	
Container	20'GP	40'HQ
Pcs/Container	180	864

I-V Curve



Mechanical Parameters

Cell Type	PERC type Mono-crystalline
No. of cells	120(6x20)
Dimensions	1908x1134x35mm
Weight	28kg
Front Glass	2.0mm, Anti-Reflection Coating
Back Glass	2.0mm, Heat Strengthened Glass
Frame	Anodized Aluminum Alloy Frame
Junction Box	IP68 Rated / 3 Diodes
Output Cables	4.0mm²/+450mm -250mm, or Customized Length

ELECTRICAL PARAMETERS

Module Type	182MHCD440-60		182MHCD445-60		182MHCD450-60		182MHCD455-60		182MHCD460-60	
	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
Maximum Power(Pmax/W)	440	328	445	332	450	335	455	339	460	342
Maximum Power Voltage(Vmp/V)	33.91	31.61	34.06	31.73	34.21	31.89	34.36	32.02	34.54	32.27
Maximum Power Current(Imp/A)	12.98	10.38	13.07	10.46	13.16	10.50	13.25	10.59	13.32	10.60
Open-circuit Voltage(Voc/V)	40.95	38.73	41.10	38.85	41.25	38.97	41.40	39.11	41.55	39.25
Short-circuit Current(Isc/A)	13.41	10.95	13.52	11.02	13.62	11.09	13.72	11.15	13.80	11.22
Module Efficiency(%)	20.28%		20.51%		20.74%		20.97%		21.26%	
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

SUN182MHCDxxx-60

440-460 Watt

BIFACIAL MODULE

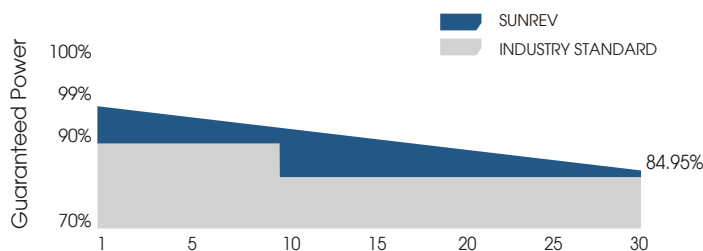
PERC-Type

IEC 61215(2016), IEC 61730(2016)

ISO 9001:2015: Quality management system

ISO 14001:2015: Environment System

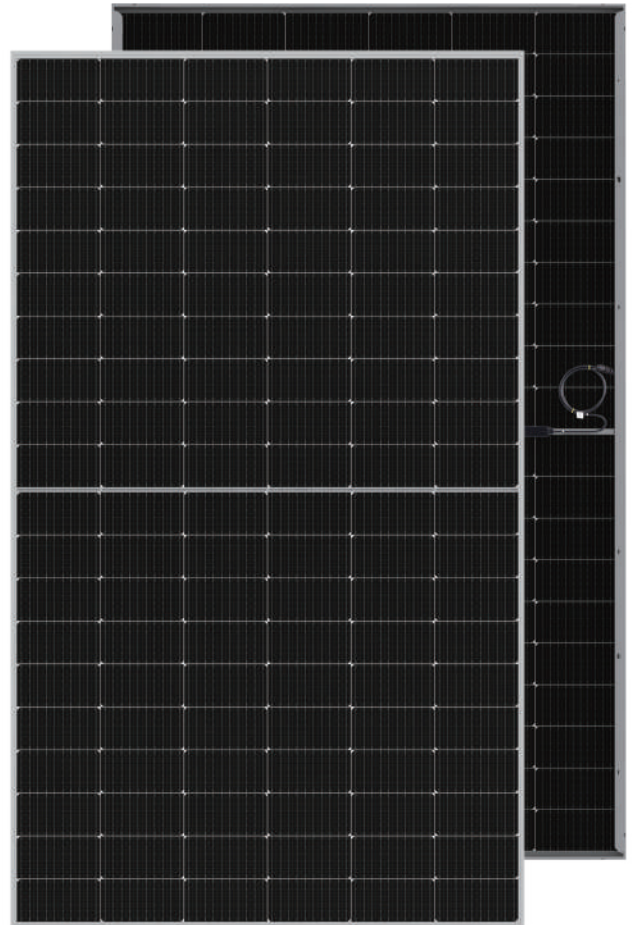
ISO 45001:2018: Occupational health management systems



12-Year Warranty for Materials and Processing

30-Year Warranty for Extra Linear Power Putput

0.45% 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).

