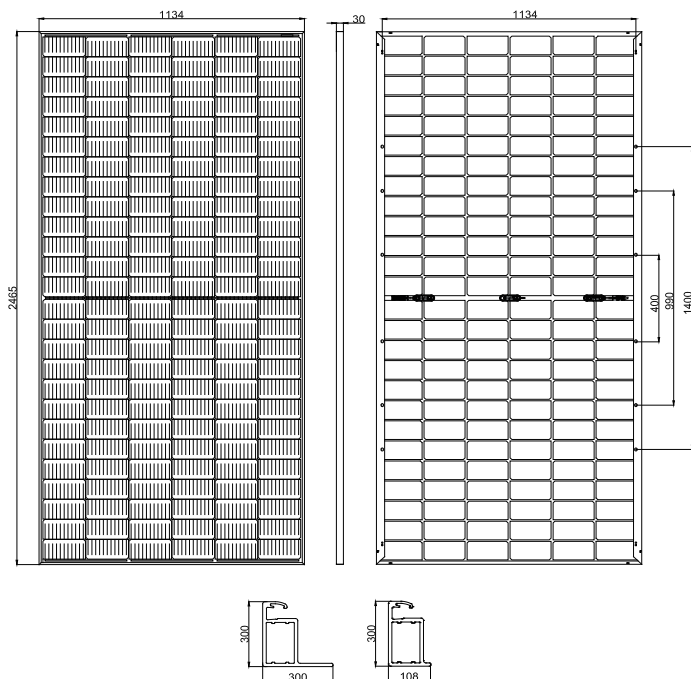


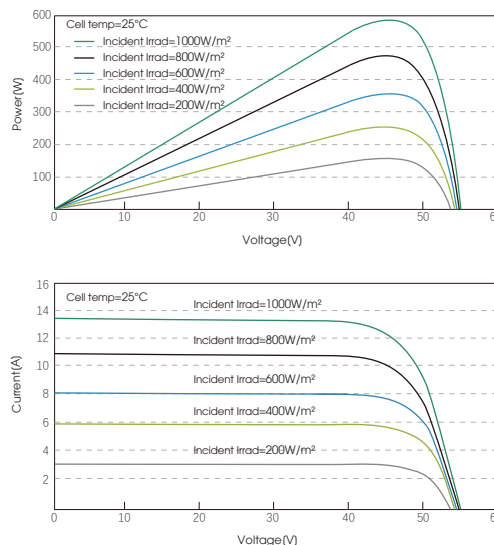
Drawing Information



Packaging Configuration

Per Pallet	36 Pcs	
Container	20'GP	40'HQ
Pcs/Container	144	648

I-V Curve



Mechanical Parameters

Cell Type	PERC type Mono-crystalline
No. of cells	156(6x26)
Dimensions	2465x1134x30mm
Weight	35kg
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	182MHCD585-78		182MHCD590-78		182MHCD595-78		182MHCD600-78		182MHCD605-78	
	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
Maximum Power(Pmax/W)	585	442	590	446	595	450	600	454	605	458
Maximum Power Voltage(Vmp/V)	44.47	42.49	44.62	42.62	44.73	42.74	44.82	42.87	44.93	43.01
Maximum Power Current(Imp/A)	13.17	10.40	13.23	10.46	13.31	10.53	13.39	10.59	13.47	10.65
Open-circuit Voltage(Voc/V)	53.67	50.69	53.82	50.82	53.91	50.96	54.02	51.11	54.14	51.27
Short-circuit Current(Isc/A)	13.64	10.25	13.72	10.33	14.81	10.32	14.89	10.41	14.95	10.52
Module Efficiency(%)	20.84%		21.03%		21.29%		21.46%		21.64%	
Operating Temperature(°C)	-40°C~+85°C									
Maximum system voltage	DC100V/1500V									
Maximum series fuse rating	30A									
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-78

580-600 Watt

BIFACIAL MODULE

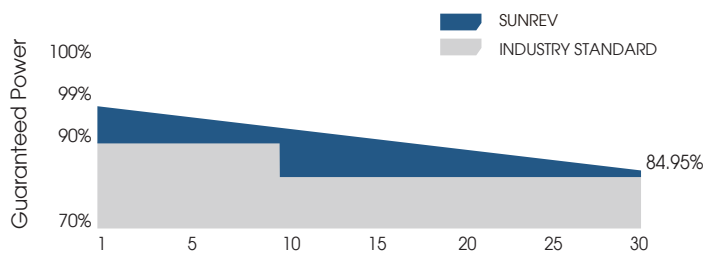
PERC-Type

IEC 61215(2016), IEC 61730(2016)

ISO 9001:2015: Quality management system

ISO 14001:2015: Environment System

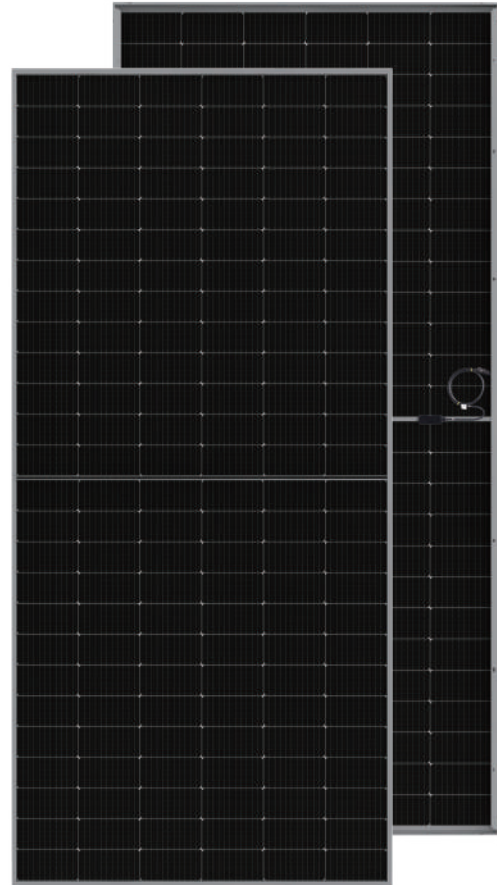
ISO 45001:2018: Occupational health management systems



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).

