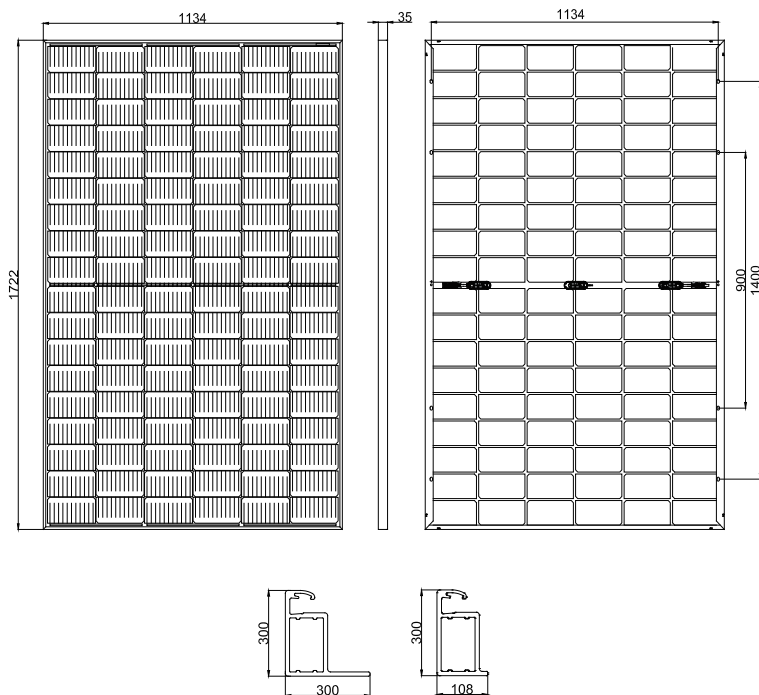


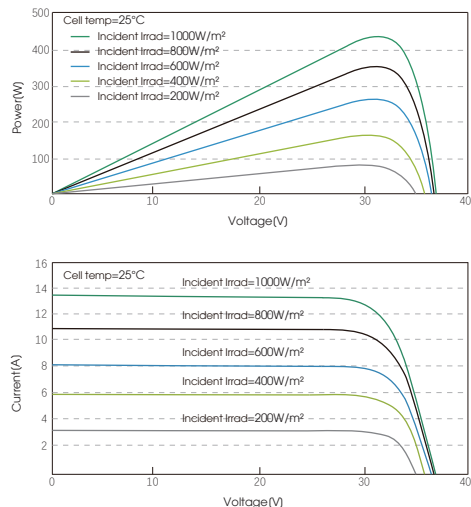
## Drawing Information



## Packaging Configuration

Per Pallet	36 Pcs	
Container	20'GP	40'HQ
Pcs/Container	186	806

## I-V Curve



## Mechanical Parameters

Cell Type	PERC type Mono-crystalline
No. of cells	108(6x18)
Dimensions	1722x1134x35mm
Weight	22kg
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	182MHCD395-54		182MHCD400-54		182MHCD405-54		182MHCD410-54		182MHCD415-54	
	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
Maximum Power(Pmax/W)	395	299	400	303	405	307	410	310	415	314
Maximum Power Voltage(Vmp/V)	30.67	28.66	30.85	28.04	31.02	28.04	31.18	28.18	31.35	28.32
Maximum Power Current(Imp/A)	12.88	10.43	12.97	10.93	13.06	10.93	13.15	11.01	13.24	11.10
Open-circuit Voltage(Voc/V)	36.67	34.31	36.87	34.56	37.05	34.56	37.23	34.72	37.42	34.92
Short-circuit Current(Isc/A)	13.42	10.81	13.52	10.93	13.62	10.93	13.72	10.97	13.82	11.05
Module Efficiency(%)	20.23%		20.48%		20.74%		21.01%		21.25%	
Operating Temperature(°C)	-40°C ~ +85°C									
Maximum system voltage	DC1000V/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<sup>+</sup> SERIES

## SUN182MHCDxxx-54

### 395-415 Watt

BIFACIAL MODULE

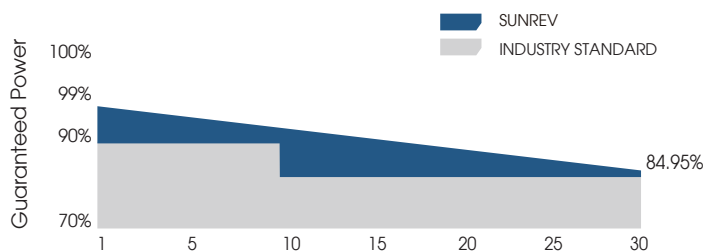
#### PERC-Type

IEC 61215(2016), IEC 61730(2016)

ISO 9001:2015: Quality management system

ISO 14001:2015: Environment System

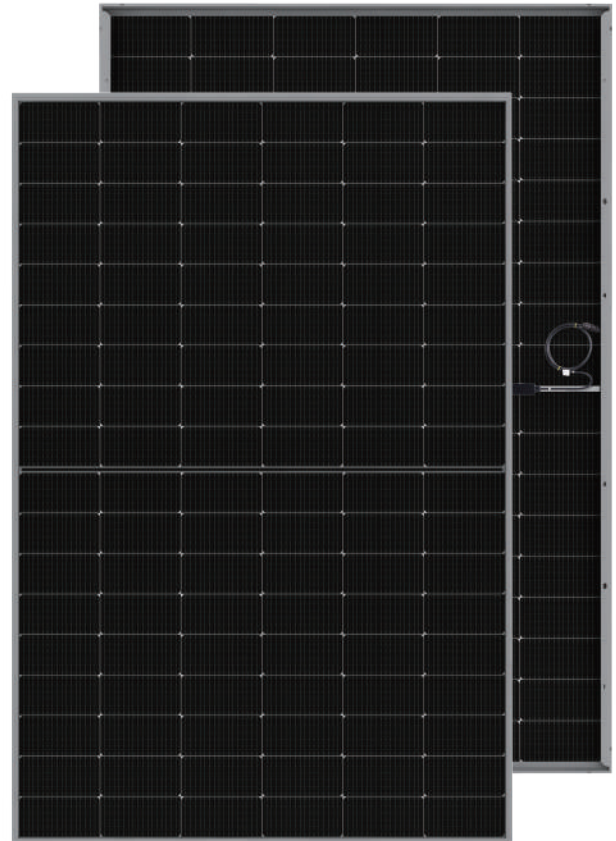
ISO 45001:2018: Occupational health management systems



**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).

