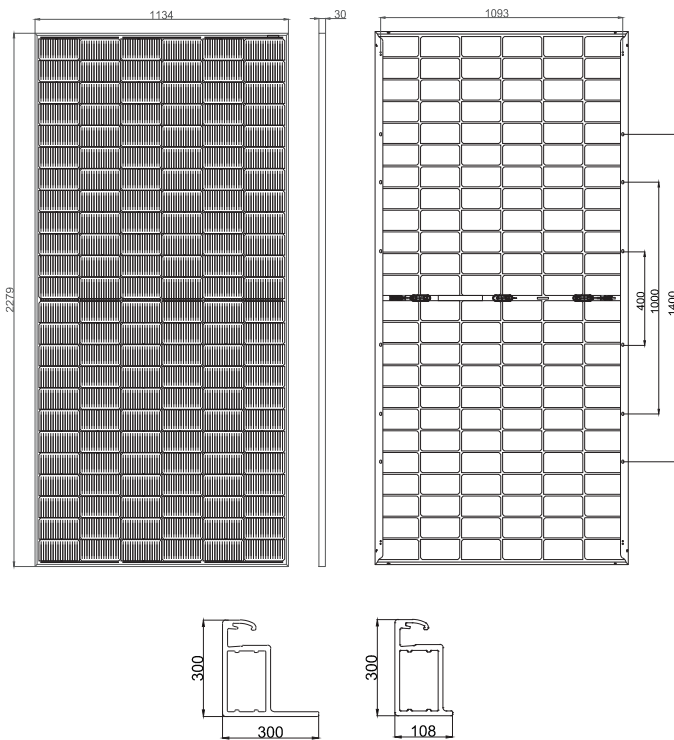


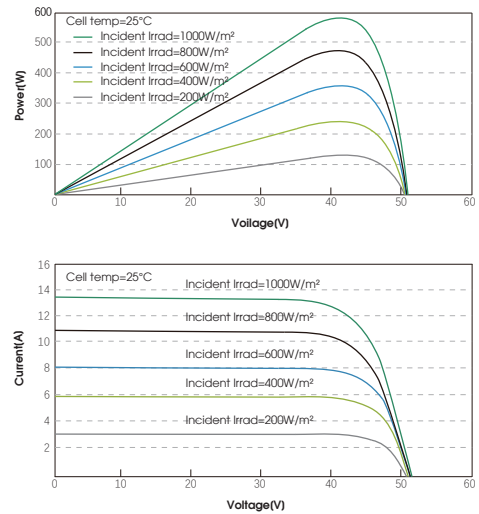
## Drawing Information



## Packaging Configuration

Per Pallet	36 Pcs	
Container	20'GP	40'HQ
Pcs/Container	180	720

## I-V Curve



## Mechanical Parameters

Cell Type	N type Mono-crystalline
No. of cells	144(6x24)
Dimensions	2279x1134x30mm
Weight	32kg
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	182THCD560-72		182THCD565-72		182THCD570-72		182THCD575-72		182THCD580-72	
	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
Maximum Power(Pmax/W)	560	421	565	425	570	429	575	432	580	436
Maximum Power Voltage(Vmp/V)	42.27	30.67	42.35	30.67	42.44	30.67	42.53	30.67	42.69	40.15
Maximum Power Current(Imp/A)	13.25	12.88	13.34	12.88	13.43	12.88	13.52	12.88	13.59	10.86
Open-circuit Voltage(Voc/V)	50.87	36.67	51.08	36.67	51.28	36.67	51.43	36.67	51.67	49.13
Short-circuit Current(Isc/A)	14.03	13.42	14.15	13.42	14.26	13.42	14.24	13.42	14.37	11.43
Module Efficiency(%)	21.67%		21.86%		22.06%		22.25%		22.44%	
Operating Temperature(°C)	-40°C~+85°C									
Maximum system voltage	DC 1000V/1500V									
Maximum series fuse rating	25A									
Power tolerance	0~+5W									
Temperature coefficients of Pmax	-0.25%/°C									
Temperature coefficients of Voc	-0.29%/°C									
Temperature coefficients of Isc	0.04%/°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



# N<sup>+</sup> SERIES

## SUN182THCDxxx-72 560-580 Watt

BIFACIAL MODULE

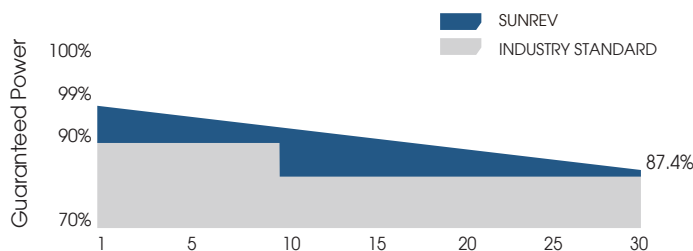
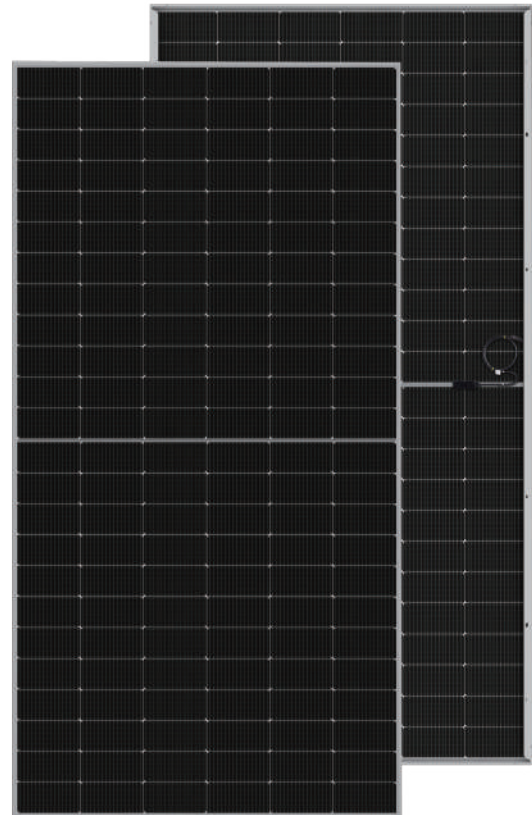
### N-Type

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

**0.40%** Annual Degradation Over 30 years

## PRODUCT FEATURES



### SMBB Technology Half Cut Topcon Cell

Better light trapping and current collection to improve module power output and reliability.



### Excellent Low-light Performance

Better performance under shading effect.



### PID Resistance

Excellent Anti-PID performance guarantee via optimized mass-production process and materials control.



### HOT 2.0 Technology

The N-type module with Hot 2.0 technology has better reliability and lower LID/LETID



### Enhanced Mechanical Load

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

