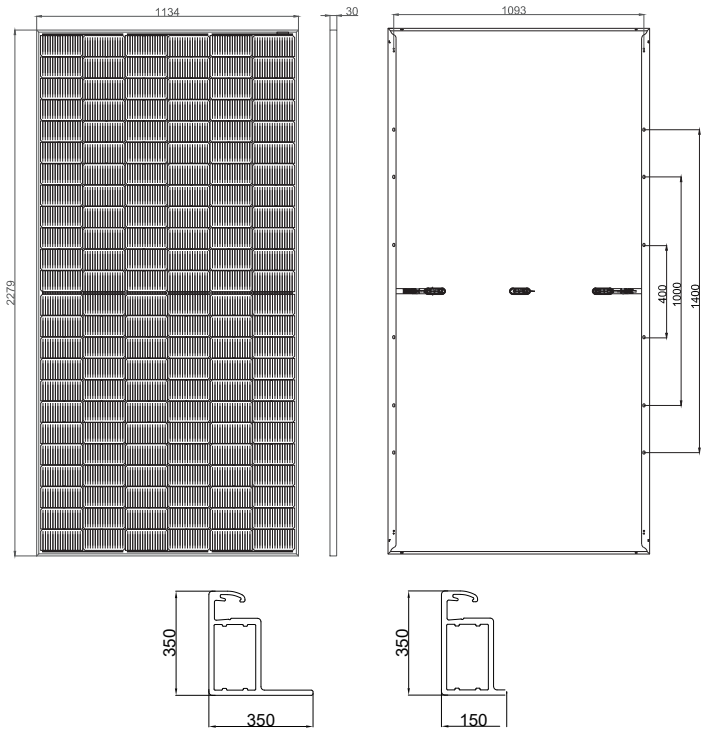
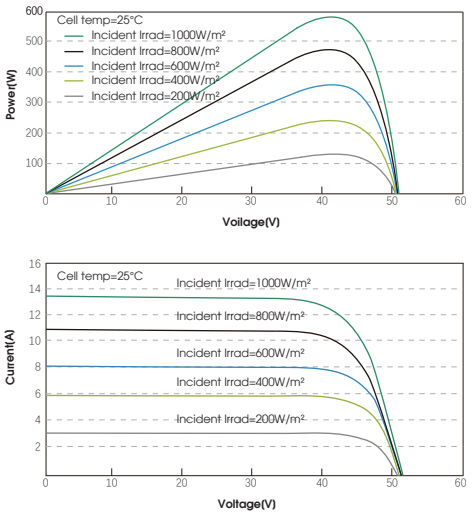
Drawing Information



I-V Curve



Mechanical Parameters

Cell Type	N type Mono-crystalline
No.of cells	144(6x24)
Dimensions	2279×1134×35mm
Weight	28kg
Front Glass	2.0mm,Anti-Reflection Coating
Back Glass	white
Frame	Anodized Aluminum Alloy Frame
Junction Box	IP68 Rated / 3 Diodes
Output Cables	4.0mm²/+450mm -250mm, or Customized Length

Packaging Configuration

Per Pallet	31 Pcs	
Container	20'GP	40'HQ
Pcs/Container	155	720

ELECTRICAL PARAMETERS

Module Type	182THC565-72		182THC570-72		182THC575-72		182THC580-72		182THC585-72	
	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
Maximum Power(Pmax/W)	565	425	570	429	575	432	580	436	585	440
Maximum Power Voltage(Vmp/V)	42.35	39.82	42.44	39.93	42.53	40.08	42.69	40.15	42.75	40.21
Maximum Power Current(Imp/A)	13.34	10.67	13.43	10.74	13.52	10.78	13.59	10.86	13.68	10.94
Open-circuit Voltage(Voc/V)	51.08	48.52	51.28	48.73	51.43	48.91	51.67	49.13	51.76	49.25
Shot-circuit Current(Isc/A)	14.15	11.26	14.26	11.32	14.24	11.35	14.37	11.43	14.41	11.56
Module Efficiency(%)	21.85%		22.06%		22.25%		22.44%		22.64%	
Operating Temperature(℃)	-40℃~+85℃									
Maximum system voltage	DC 1000V/1500V									
Maximum series fuse rating	25A									
Power tolerance	0~+5W									
Temperature coefficients of Pmax	-0.25/℃									
Temperature coefficients of Voc	-0.29/℃									
Temperature coefficients of Isc	0.04%/℃									
Nominal operating cell temperature(NOCT)	45±2℃									

***STC:** Irradiance 1000W/m² Cell Temperature 25℃ AM=1.5

***NOCT:** Irradiance 800W/m² Cell Temperature 25℃ AM=1.5 Wind Speed 1m/s

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N+ SERIES

SUN182THCxxx-72

565-585 Watt

MONO-FACIAL MODULE

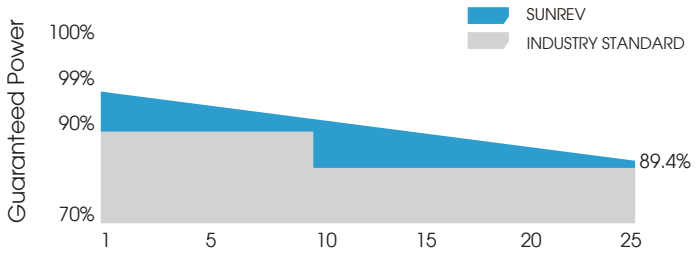
N-Type

IEC 61215(2016), IEC 61730(2016)

ISO 9001:2015: Quality management system

ISO 14001:2015: Environment System

ISO 45001:2018: Occupational health management systems



15-Year Warranty for Materials and Processing

25-Year Warranty for Extra Linear Power Putput

0.40% Annual Degradation Over 25 years

PRODUCT FEATURES

SMBB Technology Half Cut Topcon Cell
Better light trapping and current collection to improve module power output and reliability.

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

Excellent Low-light Performance
Better performance under shading effect.

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

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