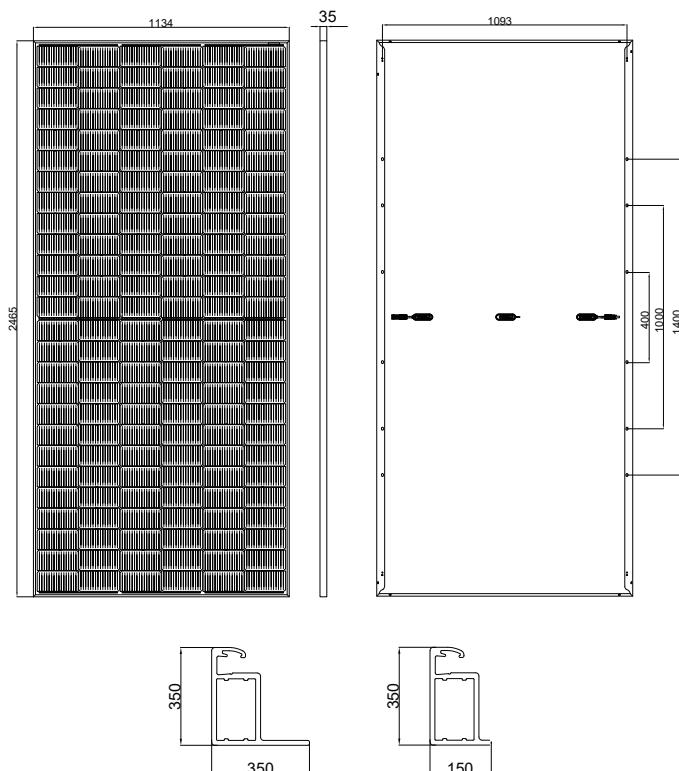


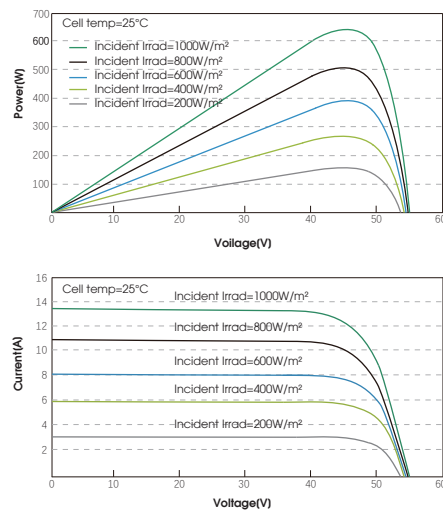
## Drawing Information



## Packaging Configuration

Per Pallet	31 Pcs	
Container	20'GP	40'HQ
Pcs/Container	124	496

## I-V Curve



## Mechanical Parameters

Cell Type	N type Mono-crystalline
No. of cells	156(6x26)
Dimensions	2465x1134x35mm
Weight	31kg
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

## SPECIFICATIONS

Module Type	182THC61078		182THC615-78		182THC620-78		182THC625-78		182THC630-78	
	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
Maximum Power(Pmax/W)	610	459	610	462	620	466	625	470	630	474
Maximum Power Voltage(Vmp/V)	45.62	42.53	45.81	42.63	45.94	42.71	46.09	42.83	46.15	42.94
Maximum Power Current(Imp/A)	13.37	10.79	13.43	10.84	13.50	10.91	13.56	10.97	13.65	11.97
Open-circuit Voltage(Voc/V)	55.42	52.59	55.53	52.68	55.63	52.83	55.81	52.97	55.93	53.02
Short-circuit Current(Isc/A)	13.96	11.28	14.05	11.35	14.11	11.41	14.24	11.46	14.30	11.51
Module Efficiency(%)	21.82%		22.00%		22.18%		22.36%		22.54%	
Operating Temperature(°C)	-40°C~+85°C									
Maximum system voltage	DC 1000V/1500V									
Maximum series fuse rating	30A									
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

## SUN182THCxxx-78

### 610-630Watt

#### MONO-FACIAL MODULE

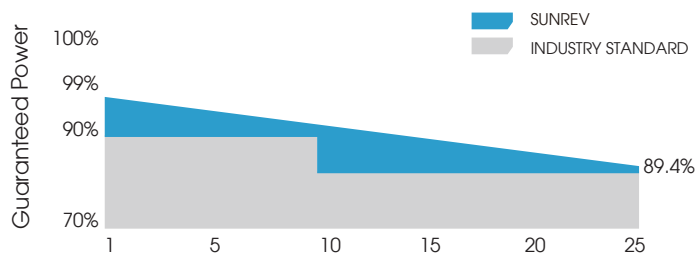
#### N-Type

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 Output

**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.



#### 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).

