

N⁺SERIES

SUN210THCD710-66

690~710W
MAXIMUM POWER OUTPUT

22.86%
MAX MODULE EFFICIENCY

0~+5W
POWER TOLERANCE

< 1%
FIRST YEAR POWER DEGRADATION

< 0.40%
YEAR 2~30 POWER DEGRADATION

BIFACIAL MODULE

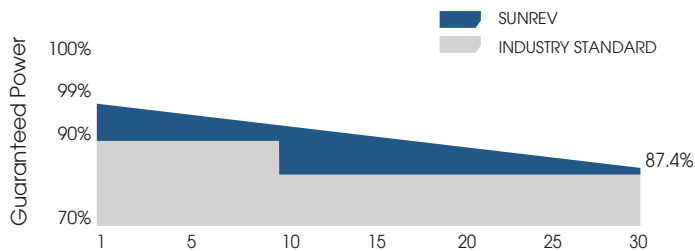
N-Type

IEC 61215(2016), IEC 61730(2016)

ISO 9001:2015: Quality management system

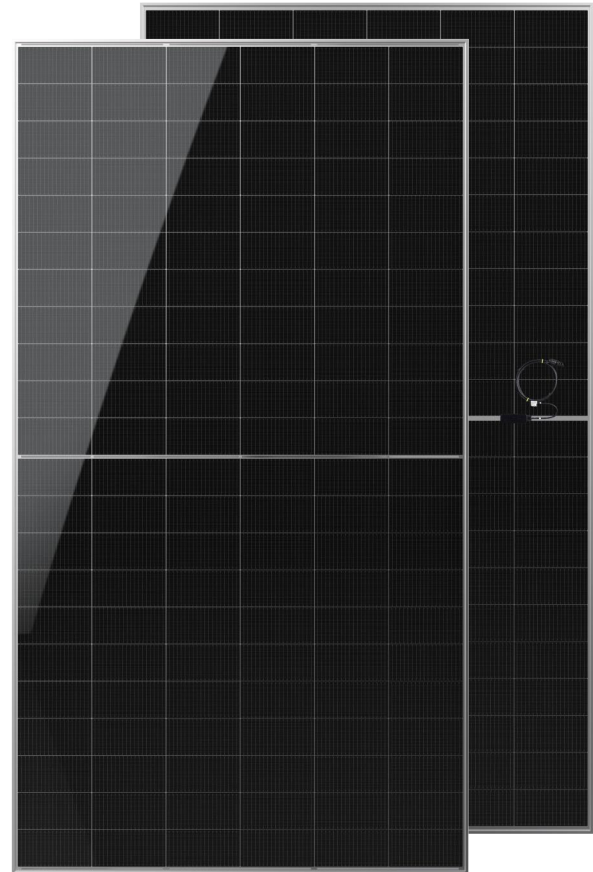
ISO 14001:2015: Environment System

ISO 45001:2018: Occupational health management systems



12-Year Warranty for Materials and Processing

30-Year Warranty for Extra Linear Power Output



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

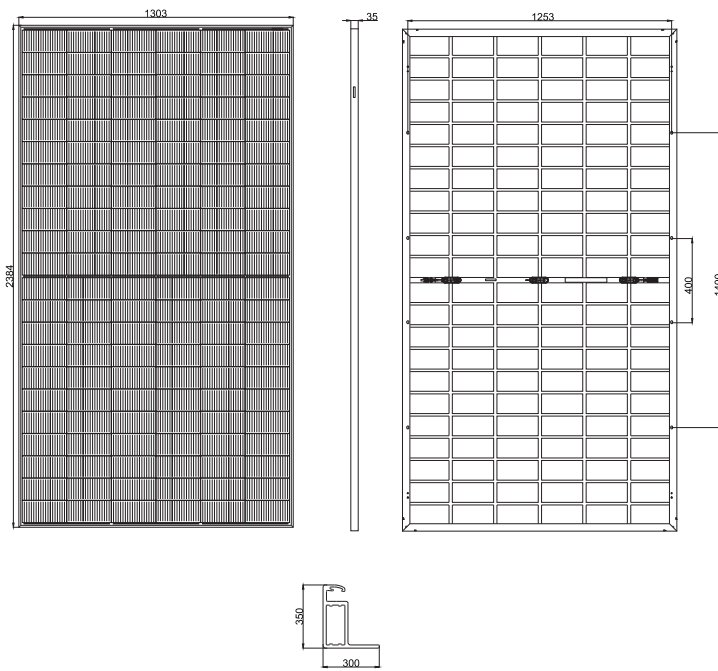


Enhanced Mechanical Load

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



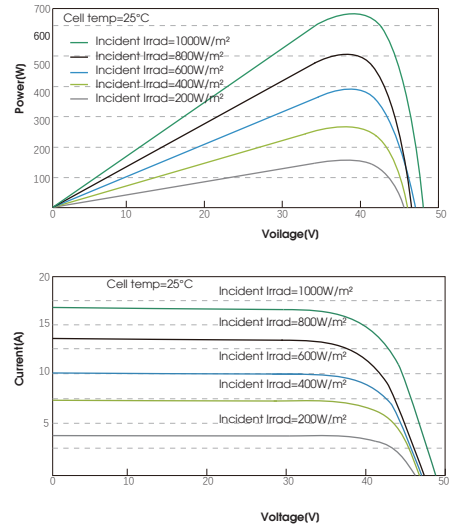
Drawing Information



Packaging Configuration

Per Pallet	31 Pcs
Container	40'HQ
Pcs/Container	558

I-V Curve



Mechanical Parameters

Cell Type	N type Mono-crystalline
No. of cells	132(6x22)
Dimensions	2384x1303x35mm
Weight	39.5kg
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

SPECIFICATIONS

Module Type	210THCD690-66		210THCD695-66		210THCD700-66		210THCD705-66		182THCD710-66	
	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
Maximum Power(Pmax/W)	690	522	695	526	700	530	705	534	710	538
Maximum Power Voltage(Vmp/V)	39.90	37.50	40.20	37.70	40.40	37.90	40.60	38.10	40.80	38.30
Maximum Power Current(Imp/A)	17.29	13.92	17.31	13.95	17.33	13.98	17.36	14.02	17.40	14.05
Open-circuit Voltage(Voc/V)	47.70	45.10	47.90	45.30	48.10	45.50	48.30	45.70	48.50	45.90
Short-circuit Current(Isc/A)	18.36	14.69	18.44	14.74	18.48	14.79	18.52	14.84	18.57	14.89
Module Efficiency(%)	22.21%		22.37%		22.53%		22.70%		22.86%	
Operating Temperature(°C)	-40°C~+85°C									
Maximum system voltage	DC 1000V/1500V									
Maximum series fuse rating	35A									
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

20°C ambient temperature

AM=1.5

Wind Speed 1m/s

