

EVO 6N

# 700-730W

SE6-66HBD

N-type TOPCon Bifacial  
Double-glass Solar Module

23.60%

Max. Module Efficiency

## 10-30% Additional Power Generation

30 years lifespan brings 10-30% additional power generation comparing with conventional P-type module.

## ZERO LID (Light Induced Degradation)

N-type solar cell has no LID naturally which can increase power generation.

## Higher Reliability

Adopted SunEvo latest S-TOPCo 2.0 technology, No polysilicon wrap around, Full electrical isolation, Zero leakage current; Much Safer for roof.

## Better Weak Illumination Response

Higher power output even under low-light environments like on cloudy or foggy days.

## Better Temperature Coefficient

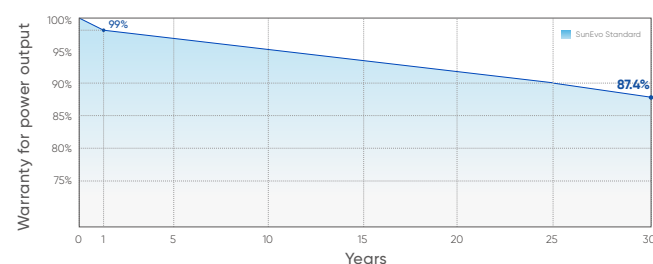
Higher power generation under working conditions, thanks to passivating contact cell technology.

## Quality Management System and Product Certification

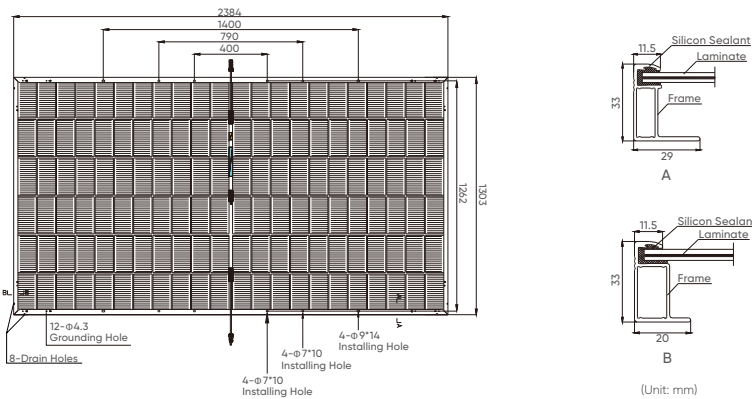
IEC61215/61730, IEC62804(PID), IEC61701(Salt),  
IEC62716 (Ammonia), IEC60068-2-68(Sand),  
ISO 9001:2015/quality management system,  
ISO 14001:2015/environmental management system,  
ISO 45001:2018/occupation health safety management system,  
ISO 50001:2011/energy management system,  
IEC TS 62941-2016/PV industry quality management system.

## Quality Guarantee

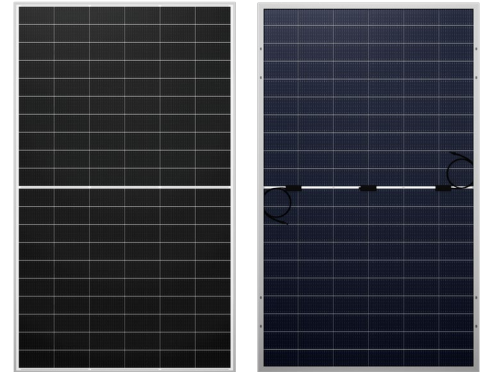
12 Years Materials Warranty 30 Years Power Warranty



Drawings



Product Image



Mechanical Characteristics

Solar Cells	N-type Monocrystalline
No. of Cells	132 cells
Dimensions	2384 × 1303 × 33mm
Weight	37.9kg
Front Glass	2.0mm, High Transmission, AR Coated Heat Strengthened Glass
Encapsulant Material	POE/EVA
Back Glass	2.0mm, Heat Strengthened Glass (White Grid Glass)
Frame	Anodized Aluminium Alloy
J-Box	IP68 rated
Cables	+400mm, -200mm or ±1400mm, length can be customized
Connector	MC4
Packaging	33pcs per pallet, 594pcs per 40'HC

Temperature Characteristics

Nominal Operating Cell Temp. (NOCT)	45±2°C
Temperature Coefficient of Pmax	-0.28%/°C
Temperature Coefficient of Voc	-0.24%/°C
Temperature Coefficient of Isc	0.046%/°C

Maximum Ratings

Operational Temperature	-40°C ~ +85°C
Maximum System Voltage	1500V DC
Maximum Series Fuse Rating	35A
Power Output Tolerance	0~+3%
Bifaciality	80±5%

Electrical Parameters (STC & NOCT)

Testing Condition	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
Peak Power Watts-P <sub>MAX</sub> [Wp]	700	526	705	530	710	534	715	538	720	541	725	545	730	549
Power Tolerance-P <sub>MAX</sub> [W]	0 ~ +5													
Maximum Power Voltage-V <sub>MPP</sub> [V]	40.35	37.55	40.52	37.73	40.69	37.90	40.86	38.08	41.03	38.18	41.20	38.33	41.37	38.50
Maximum Power Current-I <sub>MPP</sub> [A]	17.35	14.01	17.40	14.05	17.45	14.09	17.50	14.13	17.55	14.17	17.60	14.21	17.65	14.25
Open Circuit Voltage-V <sub>oc</sub> [V]	48.60	46.17	48.77	46.33	48.94	46.49	49.11	46.65	49.28	46.82	49.45	46.99	49.63	47.16
Short Circuit Current-I <sub>sc</sub> [A]	18.35	14.82	18.40	14.86	18.45	14.90	18.50	14.94	18.55	14.98	18.60	15.02	18.65	15.06
Module Efficiency [%]	22.5		22.7		22.9		23.0		23.2		23.4		23.6	

STC: Irradiance 1000W/m<sup>2</sup>, cell temperature 25°C, Air Mass AM1.5. NOCT: Irradiance at 800W/m<sup>2</sup>, Ambient Temperature 20°C, Wind Speed 1m/s. Measuring tolerance: ±3%

Electrical Characteristics (Rear Power Gain)

5%	Maximum Power: P <sub>max</sub> [W]	735	740	745	750	756
	Module Efficiency: η [%]	23.7	23.8	24.0	24.1	24.3
15%	Maximum Power: P <sub>max</sub> [W]	805	810	816	822	828
	Module Efficiency: η [%]	25.9	26.1	26.3	26.5	26.7
25%	Maximum Power: P <sub>max</sub> [W]	785	881	887	893	900
	Module Efficiency: η [%]	28.2	28.4	28.6	28.7	29.0

Power Bifaciality: 80%±5%