

EVO 6N

700-720W

SE6-66HBD

N-type TOPCon Bifacial
Double-glass Solar Module

23.20%

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

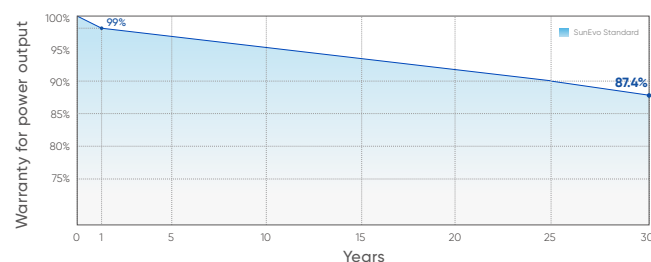
Higher power generation under working conditions, thanks to passivating contact cell technology.

Quality Management System and Product Certification

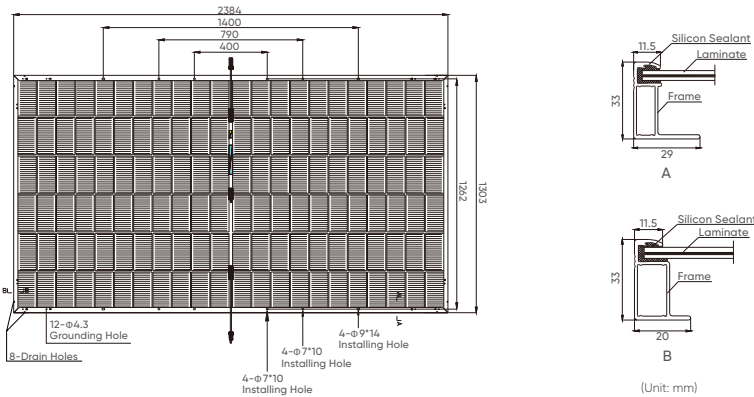
IEC61215/61730, IEC62804(PID), IEC61701(Salt),
IEC62716 (Ammonia), IEC60068-2-68(Sand),
ISO 9001:2015/quality management system,
ISO 14001:2015/environmental management system,
ISO 45001:2018/occupation health safety management system,
ISO 50001:2011/energy management system,
IEC TS 62941-2016/PV industry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

Quality Guarantee

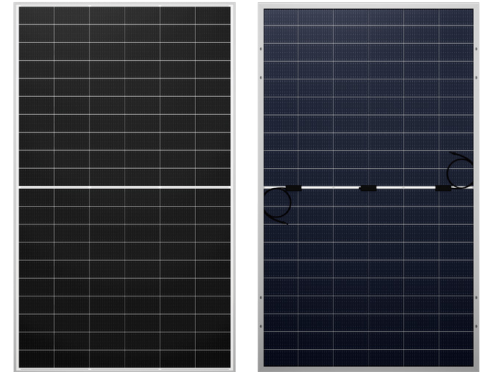
12 Years Materials Warranty 30 Years Power Warranty



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
Peak Power Watts-P _{MAX} [Wp]	700	526	705	530	710	534	715	538	720	541
Power Tolerance-P _{MAX} [W]	0 ~ +5									
Maximum Power Voltage-V _{MPP} [V]	40.35	37.55	40.52	37.73	40.69	37.90	40.86	38.08	41.03	38.18
Maximum Power Current-I _{MPP} [A]	17.35	14.01	17.40	14.05	17.45	14.09	17.50	14.13	17.55	14.17
Open Circuit Voltage-V _{oc} [V]	48.60	46.17	48.77	46.33	48.94	46.49	49.11	46.65	49.28	46.82
Short Circuit Current-I _{sc} [A]	18.35	14.82	18.40	14.86	18.45	14.90	18.50	14.94	18.55	14.98
Module Efficiency [%]	22.5		22.7		22.9		23.0		23.2	

STC: Irradiance 1000W/m², cell temperature 25°C, Air Mass AM1.5. NOCT: Irradiance at 800W/m², Ambient Temperature 20°C, Wind Speed 1m/s. Measuring tolerance: ±3%

Electrical Characteristics (Rear Power Gain)

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

Power Bifaciality: 80%±5%