

EVO 6N

625-645W

SE6-60HBD

Bifacial HJT Half Cell
Double-glass Solar Module

22.79%

Max. Module Efficiency

HJT 2.0 Technology

Combining gettering process and single-side $\mu\text{-Si}$ technology to ensure higher cell efficiency and higher module power.

-0.26%/°C Pmax temperature coefficient

More stable power generation performance and even better in hot climate.

SMBB design with Half-Cut Technology

Shorter current transmission distance, less resistive loss and higher cell efficiency.

Up to 90% Bifaciality

Natural symmetrical bifacial structure bringing more energy yield from the backside.

Sealing with PIB based sealant

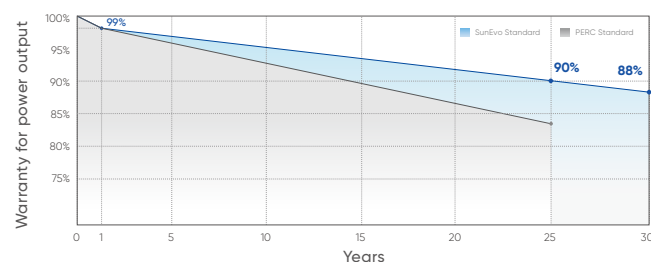
Stronger water resistance, greater air impermeability to extent module lifespan.

Quality Management System and Product Certification

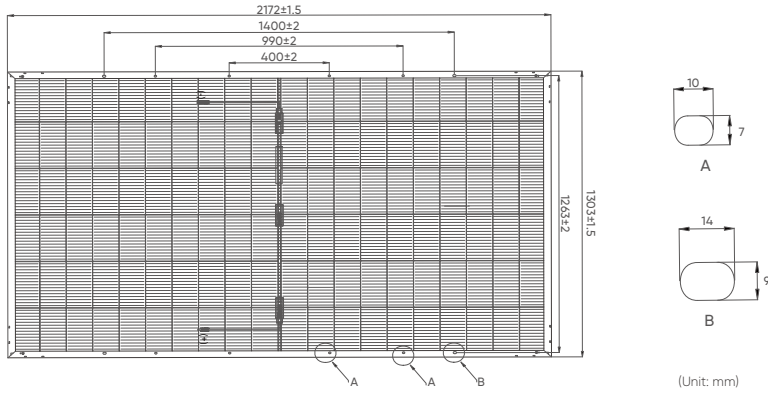
IEC61215/61730, IEC62804(PID), IEC61701(Salt),
IEC62716 (Ammonia), IEC60068-2-68(Sand),
ISO 9001:2015/quality management system,
ISO 14001:2015/environmental management system,
ISO 45001:2018/occupation health safety management system,
ISO 50001:2011/energy management system,
IEC TS 62941-2016/PV industry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

Quality Guarantee

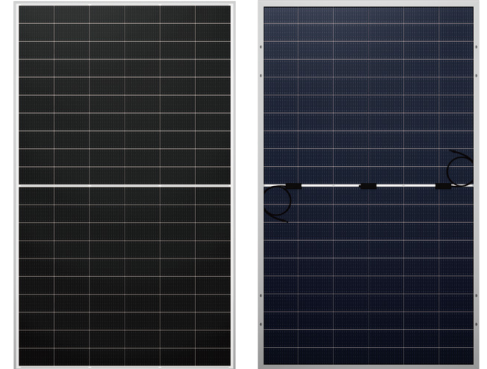
25 year Materials Warranty 30 year Power Warranty



Drawings



Product Image



Mechanical Characteristics

Solar Cells	HJT Mono 210×105mm
No. of Cells	120 (6×20)
Dimensions	2172 × 1303 × 35mm
Weight	35.3kg
Glass Thickness	(F) 2.0mm anti-reflective solar glass (B) 2.0mm solar glass
Frame	Anodized aluminium alloy
Junction Box	IP68
Output Cables	4mm ² , 300mm in length, length can be customized / UV resistant
Connectors	MC4 original /MC4 compatible
Mechanical load test	5400Pa
Packaging	31pcs/box, 558pcs/40'HQ

Operating Characteristics

Operating Module Temperature	-40°C ~ +85°C
Maximum System Voltage	DC 1500 (IEC)
Maximum Series Fuse Rating	30A
Power Tolerance	0~+5W
Bifaciality	85%±5%

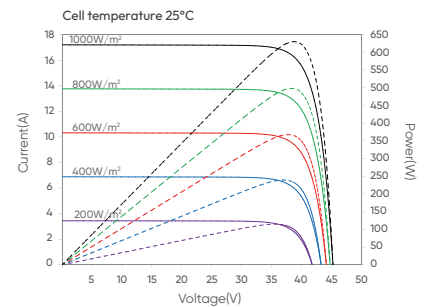
Temperature Characteristics

Nominal Operating Cell Temp. (NOCT)	44±2°C
Temperature Coefficient of Pmax	-0.26%/°C
Temperature Coefficient of Voc	-0.24%/°C
Temperature Coefficient of Isc	0.04%/°C

Electrical Parameters (STC*)

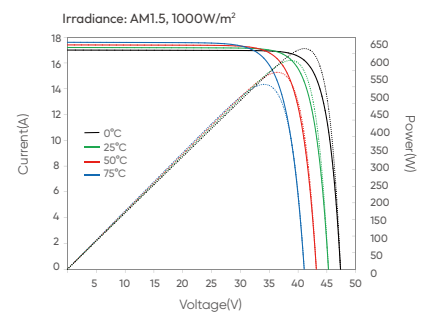
Module Type: SE6-60HBD	625	630	635	640	645
Maximum Power (Pmax/W)	625	630	635	640	645
Module Efficiency (%)	22.08	22.26	22.44	22.61	22.79
Optimum Operating Voltage (Vmp/V)	37.86	38.03	38.19	38.35	38.51
Optimum Operating Current (Imp/A)	16.51	16.57	16.63	16.69	16.75
Open Circuit Voltage (Voc/V)	45.13	45.30	45.48	45.65	45.82
Short Circuit Current (Isc/A)	17.31	17.37	17.43	17.49	17.55

I-V Curve



BSTC*

Maximum Power (Pmax/W)	690	695	700	705	710
Optimum Operating Voltage (Vmp/V)	37.86	38.03	38.19	38.35	38.51
Optimum Operating Current (Imp/A)	18.23	18.28	18.33	18.39	18.44
Open Circuit Voltage (Voc/V)	45.13	45.30	45.48	45.65	45.82
Short Circuit Current (Isc/A)	19.11	19.16	19.21	19.27	19.32



*STC: Irradiance 1000 W/m², cell temperature 25°C, AM=1.5. Tolerance of Pmax is within +/- 3%.

*BSTC: Front side irradiation 1000W/m², back side reflection irradiation 135W/m², AM=1.5, ambient temperature 25°C.