

EVO 6R

615-635W SE6R-66HBD

N Type HJT Bifacial
Double-glass Solar Module

23.51%

Max. Module Efficiency

HJT 3.0 Technology

Combining gettering process and double-sided $\mu\text{-Si}$ to maximize cell efficiency and module power.

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 extend module lifespan.

Higher reliability

Industrial leading product and performance warranty, ensuring modules' consistent outstanding performance.

High customer value

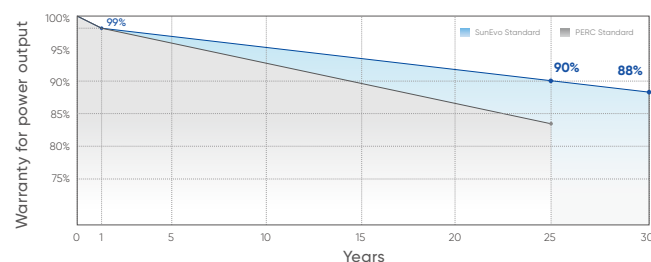
Higher container space utilization electively reduces the freight cost

Quality Management System and Product Certification

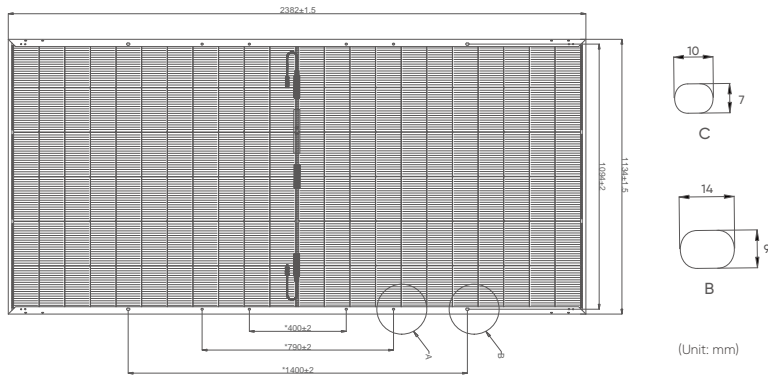
IEC61215/61730, IEC62804(PID), IEC61701(Salt),
IEC62716 (Ammonia), IEC60068-2-68(Sand),
ISO 9001:2015/quality management system,
ISO 14001:2015/environmental management system,
ISO 45001:2018/occupation health safety management system,
ISO 50001:2011/energy management system,
IEC TS 62941-2016/PV industry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

Quality Guarantee

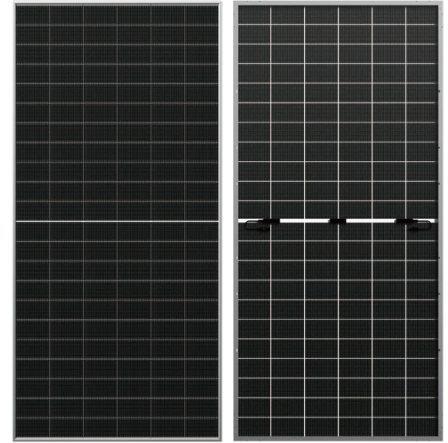
25 year Materials Warranty 30 year Power Warranty



Drawings



Product Image



Mechanical Characteristics

Solar Cells	HJT Mono 182×105mm
No. of Cells	132 (6×22)
Dimensions	2382 × 1134 × 30mm
Weight	33.6kg
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	36pcs/box, 720pcs/40'HQ

Operating Parameters

Operational Temperature	-40°C~+85°C
Power Output Tolerance	0~3%
Voc and Isc Tolerance	±3%
Maximum System Voltage	DC1500V (IEC/UL)
Maximum Series Fuse Rating	30A
Nominal Operating Cell Temperature	44±2°C

Temperature Ratings (NOCT*)

Temperature Coefficient of Isc	+0.040%/°C
Temperature Coefficient of Voc	-0.220%/°C
Temperature Coefficient of Pmax	-0.260%/°C

Electrical Parameters (STC*)

Module Type: SE6R-66HBD	615	620	625	630	635
Maximum Power (Pmax/W)	615	620	625	630	635
Open Circuit Voltage (Voc/V)	50.80	50.98	51.16	51.35	51.53
Short Circuit Current (Isc/A)	15.37	15.42	15.47	15.52	15.57
Voltage at Maximum Power (Vmp/V)	42.15	42.30	42.46	42.62	42.77
Current at Maximum Power (Imp/A)	14.60	14.66	14.72	14.79	14.85
Module Efficiency (%)	22.77	22.95	23.14	23.32	23.51

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

Electrical Parameters (BSTC**)

Maximum Power (Pmax/W)	685	690	695	700	705
Open Circuit Voltage (Voc/V)	50.80	50.98	51.16	51.35	51.53
Short Circuit Current (Isc/A)	17.13	17.19	17.25	17.30	17.36
Voltage at Maximum Power (Vmp/V)	42.15	42.30	42.46	42.62	42.77
Current at Maximum Power (Imp/A)	16.26	16.32	16.37	16.43	16.49

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