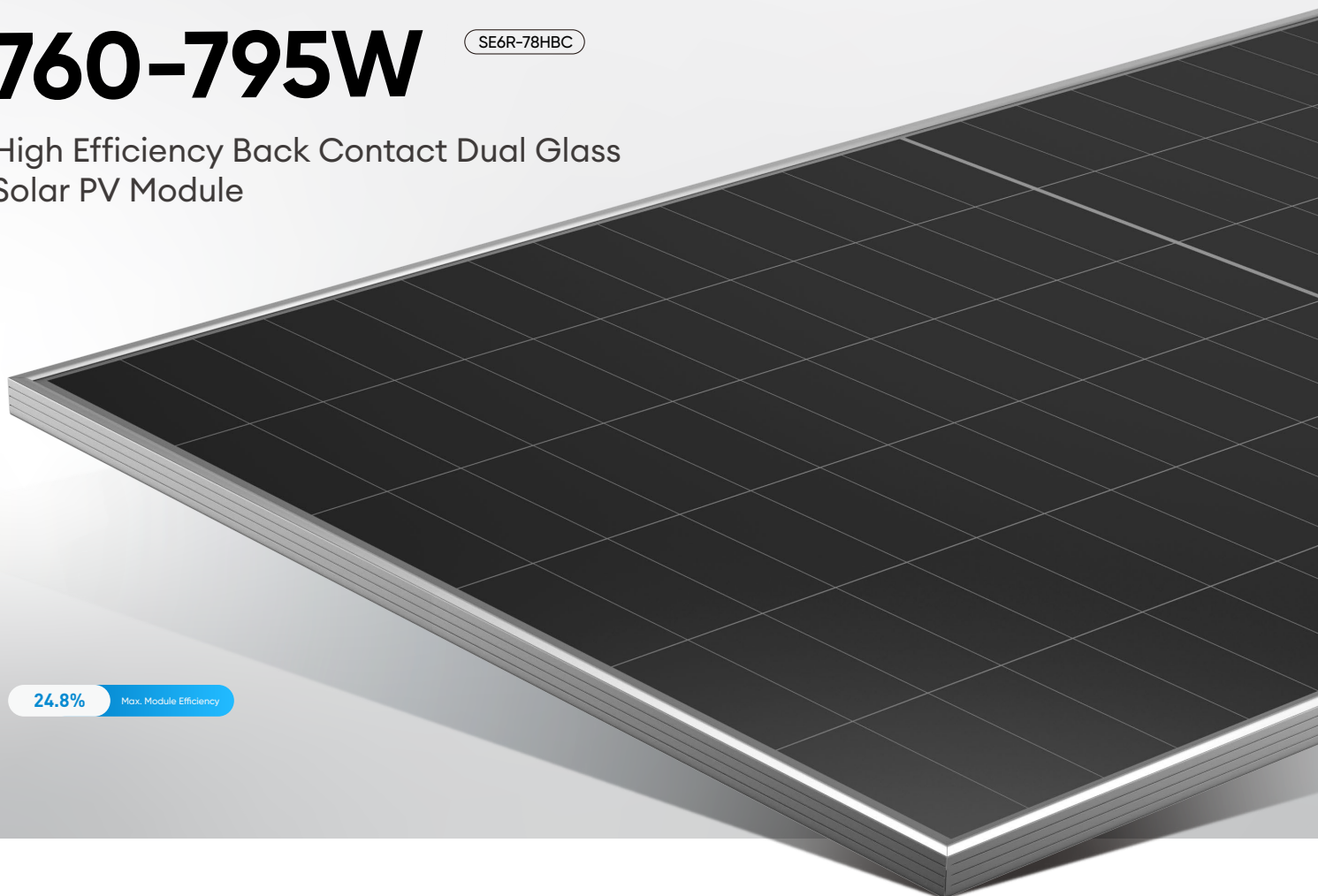


EVO B

760-795W

SE6R-78HBC

High Efficiency Back Contact Dual Glass Solar PV Module



24.8% Max. Module Efficiency

High-efficiency Cells

The cell efficiency is higher than 25%.

Outstanding Performance

EVO B improves power generation capacity greatly with comprehensive upgrade of Back Contact cells and modules.

Aesthetic Appearance

EVO B simplifies the complexity and redefines the aesthetic concept of photovoltaic modules.

Market-leading Reliability

EVO B pioneers the adoption of full back welding technology to effectively improve the resistance to micro cracking of modules.

Optimized Balance of System (BOS)

Significant savings on mounting structure, cabling, and labour cost.

Quality Management System and Product Certification

IEC 61215, IEC 61730, UL 61730

ISO9001:2015: ISO Quality Management System

ISO14001: 2015: ISO Environment Management System

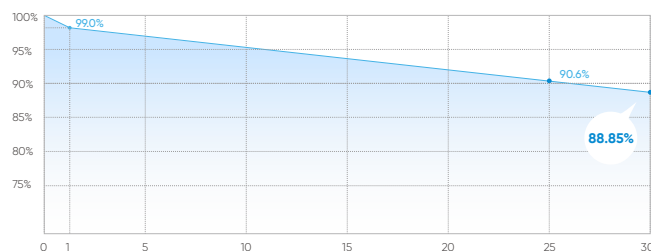
ISO45001: 2018: Occupational Health and Safety

IEC62941: Guideline for module design qualification and type approval

Quality Guarantee

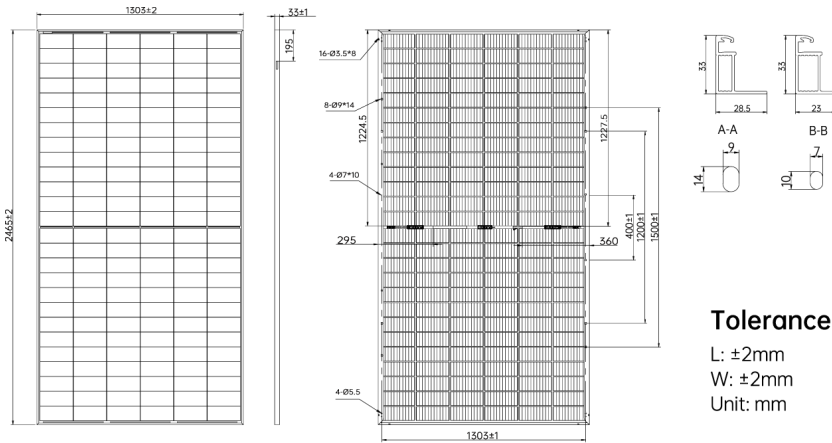
25-year Warranty for Materials and Processing

30-year Warranty for Extra Linear Power Output



Drawings

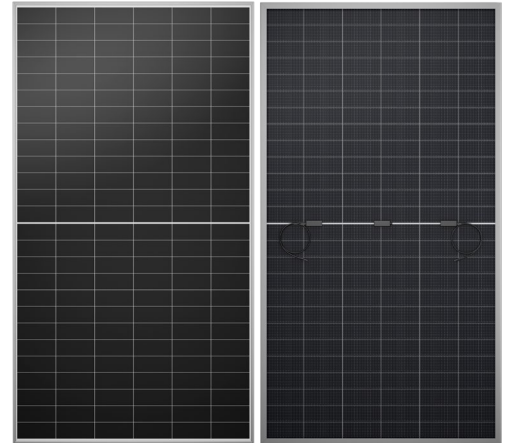
(Unit: mm)



Tolerance

L: ±2mm
W: ±2mm
Unit: mm

Product Image



Mechanical Characteristics

Cell Orientation	156 (6×26)
Junction Box	IP68, 3 bypass diodes
Output Cable	4mm ² , ±1200mm length can be customized
Glass	Dual glass, 2.0 + 2.0mm coated semi tempered glass
Frame	Anodized aluminum
Weight	39.8kg±3%
Dimension	2465 × 1303 × 33mm
Packaging	33pcs per pallet / 132pcs per 20'GP / 594pcs per 40'HC
Front Side Maximum Static Loading	5400Pa
Rear Side Maximum Static Loading	2400Pa
Hailstone Test	25mm Hailstone at the speed of 23m/s

Operating Parameters

Operational Temperature	-40°C~+85°C
Power Output Tolerance	0~3%
Voc and Isc Tolerance	±3%
Maximum System Voltage	DC1500V (IEC)
Maximum Series Fuse Rating	30A
Nominal Operating Cell Temperature	45±2°C

Temperature Ratings (STC*)

Temperature Coefficient of Isc	+0.050%/°C
Temperature Coefficient of Voc	-0.220%/°C
Temperature Coefficient of Pmax	-0.260%/°C

Electrical Parameters (STC*)

Module Type: SE6R-78HBC	760	765	770	775	780	785	790	795
Maximum Power (Pmax/W)	760	765	770	775	780	785	790	795
Open Circuit Voltage (Voc/V)	58.52	58.62	58.72	58.82	58.92	59.02	59.12	59.22
Short Circuit Current (Isc/A)	16.50	16.57	16.64	16.71	16.78	16.85	16.92	16.99
Voltage at Maximum Power (Vmp/V)	48.57	48.67	48.77	48.87	48.97	49.07	49.17	49.27
Current at Maximum Power (Imp/A)	15.65	15.72	15.79	15.86	15.93	16.00	16.07	16.14
Module Efficiency (%)	23.70	23.80	24.40	24.10	24.30	24.40	24.60	24.80

Electrical Parameters (NOCT*)

Maximum Power (Pmax/W)	576	580	584	588	592	595	599	603
Open Circuit Voltage (Voc/V)	55.49	55.58	55.68	55.77	55.87	55.96	56.05	56.15
Short Circuit Current (Isc/A)	13.28	13.34	13.40	13.46	13.53	13.59	13.66	13.72
Voltage at Maximum Power (Vmp/V)	46.17	46.27	46.36	46.46	46.55	46.65	46.74	46.84
Current at Maximum Power (Imp/A)	12.48	12.54	12.60	12.65	12.71	12.76	12.82	12.87

*STC: AM1.5 1000W/m² 25°C *NOCT: AM1.5 800W/m² 20°C 1m/s