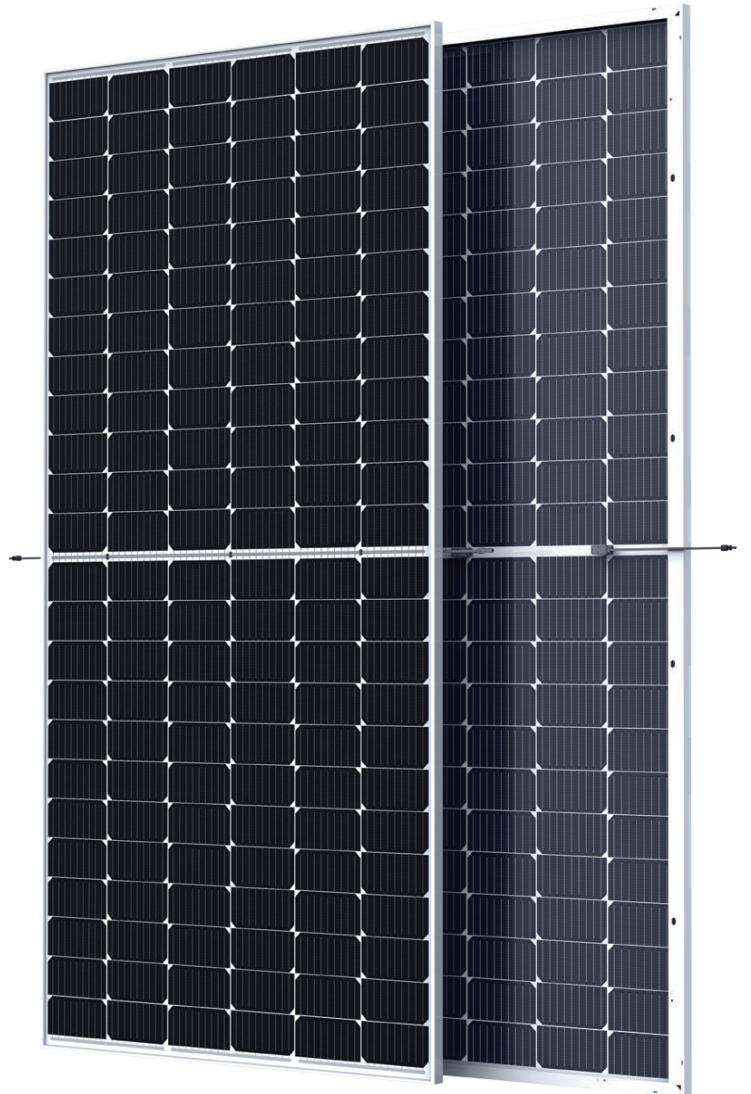


## BIFACIAL MODULE WITH TRANSPARENT BACKSHEET

# RS3-455~460MB-E3

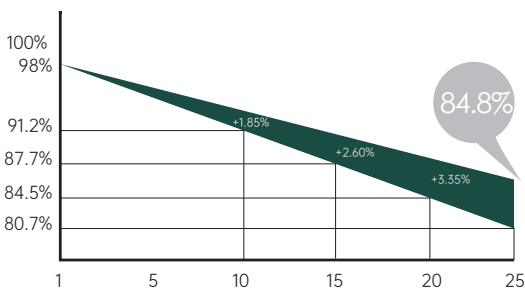
P-Type /Positive power tolerance of 0~+3%/Max module efficiency 21.16%

- Suitable for ground power plants and distributed projects
- Advanced module technology delivers superior module efficiency
  - Gallium-doped Wafer · Non destructive cutting · MBB half-cut
- Excellent power generation performance
  - Excellent IAM and Weak light response · Low temperature ratings
  - 0.55% linear Power decline
- High module quality ensures long-term reliability
  - Strict selected material · Advanced technology · Leading standard



### Complete System and IEC Product Certification

IEC 61215(2016), IEC 61730(2016) ISO9001: 2015: Quality Management System ISO14001: 2015: Environment Management System ISO45001:2018: Occupational Health and Safety Management System

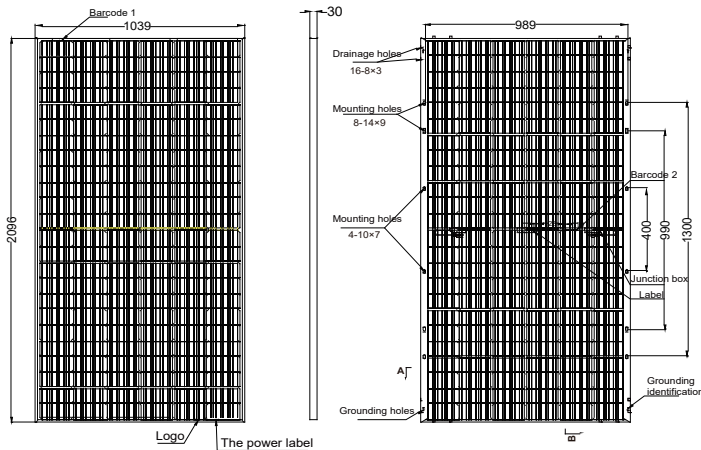


25-Year excess linear power output warranty

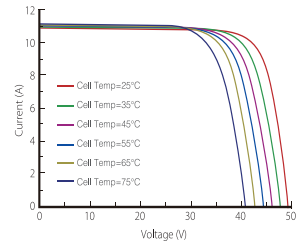
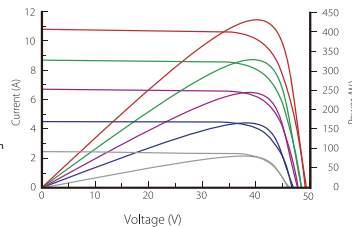


## RS3-455~460MB-E3

BIFACIAL MODULE WITH TRANSPARENT BACKSHEET



Drawing Only for Reference



Electrical Characteristics STC	RS3-455MB-E3	RS3-460MB-E3
Maximum Power (Pmax)	455W	460W
Power Tolerance	0~+5W	0~+5W
Module Efficiency	20.90%	21.16%
Maximum Power Current (Imp)	10.93A	10.99A
Maximum Power Voltage (Vmp)	41.73V	41.90V
Short Circuit Current (Isc)	11.65A	11.74A
Open Circuit Voltage (Voc)	49.50V	49.70V

Values at Standard Test Conditions STC(AM1.5, Irradiance 1000W/m, Cell Temperature 25°C)

Electrical Characteristics NMOT	RS3-455MB-E3	RS3-460MB-E3
Maximum Power (Pmax)	341.7W	345.4W
Maximum Power Current (Imp)	8.82A	8.87A
Maximum Power Voltage (Vmp)	38.80V	39.00V
Short Circuit Current (Isc)	9.45A	9.50A
Open Circuit Voltage (Voc)	46.50V	46.70V

NMOT(Nominal module operating temperature) , Irradiance of 800W/m, AM1.5, Ambient Temperature 20 °C, wind Speed 1m/s.

Electrical Characteristics with 21% rear side power gain	RS3-455MB-E3	RS3-460MB-E3
Maximum Power (Pmax)	550.6W	556.6W
Maximum Power Current (Imp)	13.23A	13.30A
Maximum Power Voltage (Vmp)	41.73V	41.90V
Short Circuit Current (Isc)	14.10A	14.21A
Open Circuit Voltage (Voc)	49.50V	49.70V

### Mechanical Characteristics

Cell Type	MonoP-Type,166x166(±1)mm,144(6x24)Half-Cut cells
Glass	3.2mm,High Transmission,Low Iron,Tempered Glass
Frame	Anodized Aluminum Alloy
Junction Box	IP68 Rated, With Bypass Diodes
Dimension	2096×1039×30mm
Output Cable	4 mm2 (EU),300 mm,length can be customized
Weight	23kg
Installation Hole Location	See Drawing Above

### Packing Information

Container	40' HQ
Pallets per Container	22
Pieces per Container	847

### Characteristics

Temperature Coefficient of Voc	-0.27%/°C
Temperature Coefficient of Isc	+0.048%/°C
Temperature Coefficient of Pmax	-0.35%/°C
Nominal Operating Cell Temperature (NOCT)	45°C±2°C

Remark:Electrical data in this catalog do not refer to a single module and they are not part of the offer.They only serve for comparison among different module types.

### Maximum Ratings

Operating Temperature	-40°C~+85°C
Maximum System Voltage	1500VDC
Maximum Series Fuse Rating	20A

