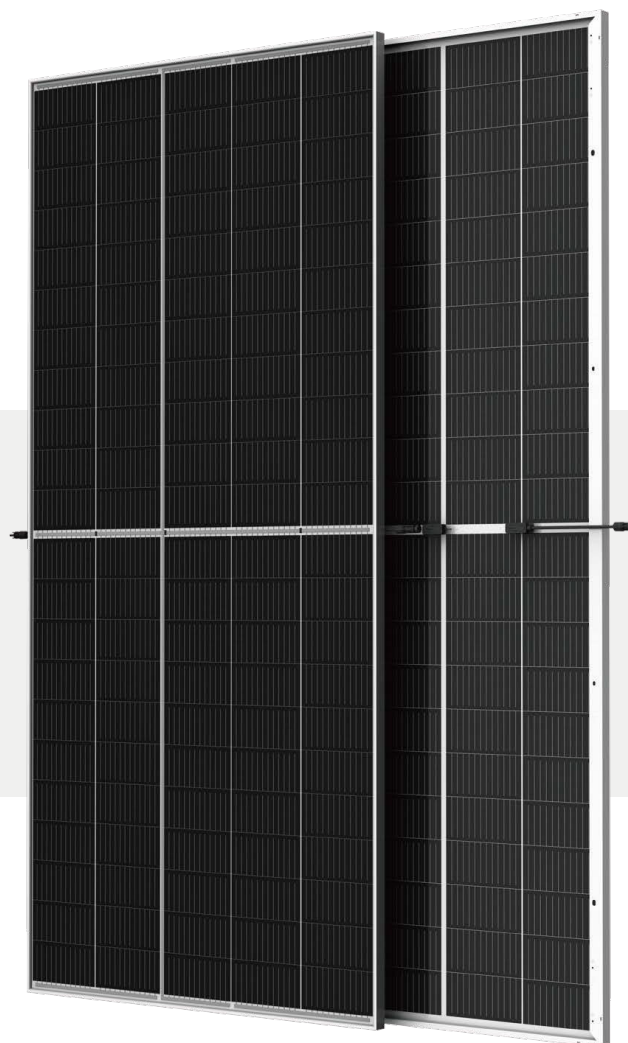


## BIFACIAL MODULE WITH DUAL GLASS

# RS91-525~550MBG-E1

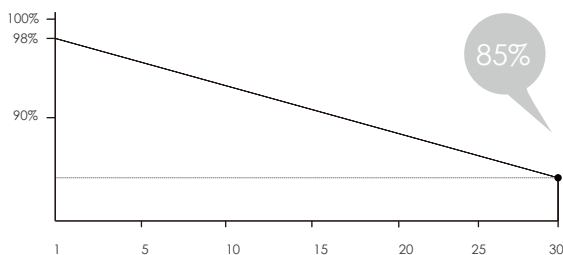
P-Type /Positive power tolerance of 0~+3%/Max module efficiency 21.00%

- 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
- Ultra-hydrophilic self-cleaning coating techniques



### 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

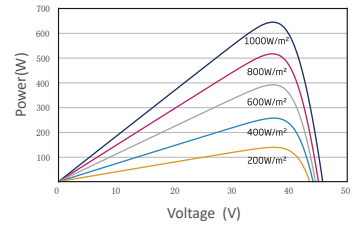
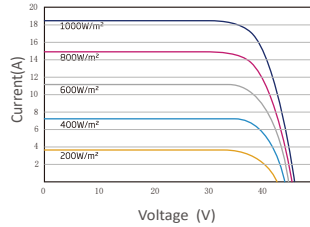
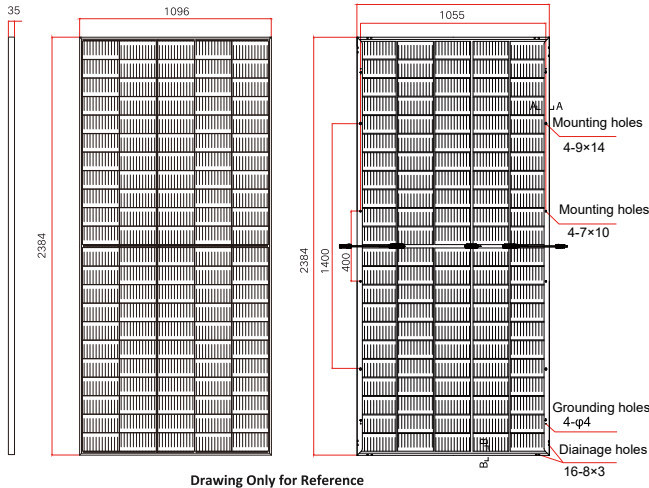


30-Year excess linear power output warranty



## RS91-520~550MBG-E1

BIFACIAL MODULE WITH DUAL GLASS



Electrical Characteristics STC	RS91-525MBG-E1	RS91-530MBG-E1	RS91-535MBG-E1	RS91-540MBG-E1	RS91-545MBG-E1	RS91-550MBG-E1
Maximum Power (Pmax)	525W	530W	535W	540W	545W	550W
Power Tolerance	0~+5W	0~+5W	0~+5W	0~+5W	0~+5W	0~+5W
Module Efficiency	20.10%	20.30%	20.50%	20.70%	20.90%	21.00%
Maximum Power Current (Imp)	17.04A	17.11A	17.16A	17.21A	17.24A	17.29A
Maximum Power Voltage (Vmp)	30.80V	31.00V	31.20V	31.40V	31.60V	31.80V
Short Circuit Current (Isc)	18.14A	18.19A	18.24A	18.30A	18.35A	18.39A
Open Circuit Voltage (Voc)	37.10V	37.30V	37.50V	37.90V	37.90V	38.10V

Values at Standard Test Conditions STC(AM1.5, Irradiance 1000W/m², Cell Temperature 25°C)

Electrical Characteristics NMOT	RS91-525MBG-E1	RS91-530MBG-E1	RS91-535MBG-E1	RS91-540MBG-E1	RS91-545MBG-E1	RS91-550MBG-E1
Maximum Power (Pmax)	298W	401W	405W	409W	413W	416W
Maximum Power Current (Imp)	13.88A	13.93A	13.97A	14.02A	14.08A	14.10A
Maximum Power Voltage (Vmp)	28.60V	28.80V	29.00V	29.02V	29.40V	29.50V
Short Circuit Current (Isc)	14.62A	14.66A	14.70A	14.75A	14.79A	14.82A
Open Circuit Voltage (Voc)	35.00V	35.10V	35.30V	35.50V	35.70V	35.90V

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	RS91-525MBG-E1	RS91-530MBG-E1	RS91-535MBG-E1	RS91-540MBG-E1	RS91-545MBG-E1	RS91-550MBG-E1
Maximum Power (Pmax)	562W	567W	573W	578W	583W	598W
Maximum Power Current (Imp)	18.23A	18.31A	18.36A	18.41A	18.45A	18.50A
Maximum Power Voltage (Vmp)	30.80V	31.00V	31.20V	31.40V	31.60V	31.80V
Short Circuit Current (Isc)	19.41A	19.46A	19.52A	15.58A	19.63A	19.68A
Open Circuit Voltage (Voc)	37.10V	37.30V	37.50V	37.70V	37.90V	35.90V

### Mechanical Characteristics

Cell Type	MonoP-Type,210x210(±1)mm,110(5×22)Half-Cut cells
Glass	2mm+2mm,High Transmission,Low Iron, Tempered Glass
Frame	Anodized Aluminum Alloy
Junction Box	IP68 Rated, With Bypass Diodes
Dimension	2384×1096×35mm
Output Cable	4 mm2 (EU),300 mm,length can be customized
Weight	32.3kg
Installation Hole Location	See Drawing Above

### Packing Information

Container	40' HQ
Pallets per Container	20
Pieces per Container	620

### Characteristics

Temperature Coefficient of Voc	-0.25%/°C
Temperature Coefficient of Isc	+0.04%/°C
Temperature Coefficient of Pmax	-0.34%/°C
Nominal Operating Cell Temperature (NOCT)	43°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	35A

