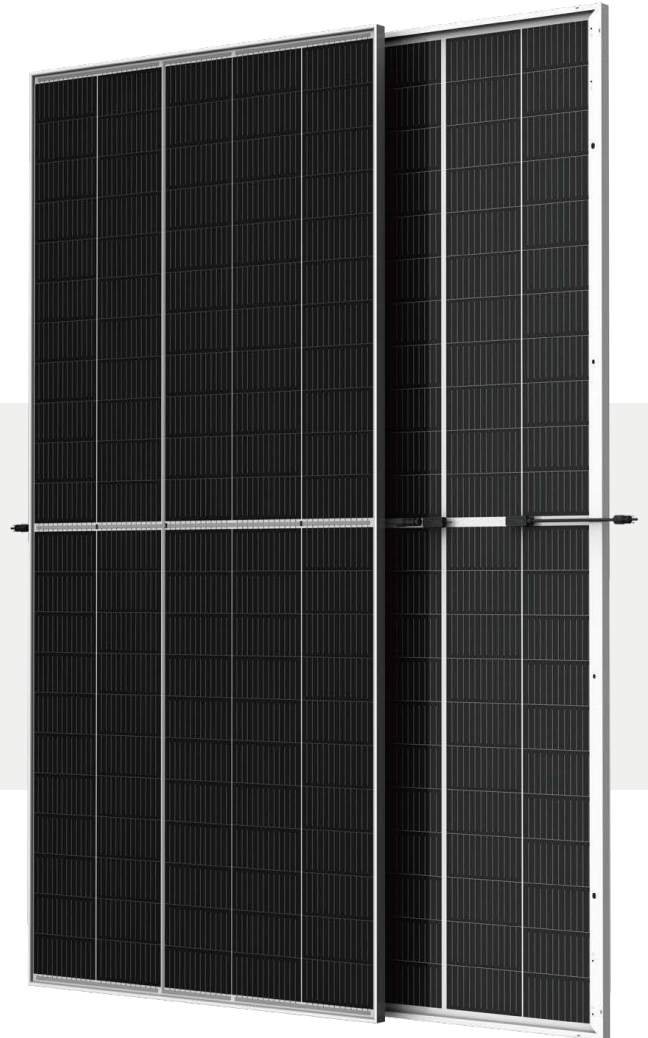


## BIFACIAL MODULE WITH DUAL GLASS

# RS91-555~575HBG-E1

HJT-Type /Positive power tolerance of 0~+3%/Max module efficiency 22.01%

- Advanced 210HJT cell and 24BB module technology leads to higher efficiency;
- N-type solar cell has no LID naturally, can increase powergeneration
  - Excellent cell color control ·Non destructive cutting ·Thinner wafer
- Excellent power generation performance
  - Excellent IAM and Weak light response ·Low temperature ratings
  - 0.40% linear Power decline
- Flexible for system deployment
  - Perfect size and low weight ·Diverse installation solutions. ·Leads to avoid fire
- Ultra-hydrophilic self-cleaning coating techniques

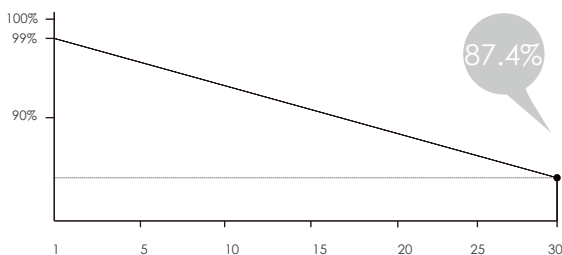


### Complete System and IEC Product Certification

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

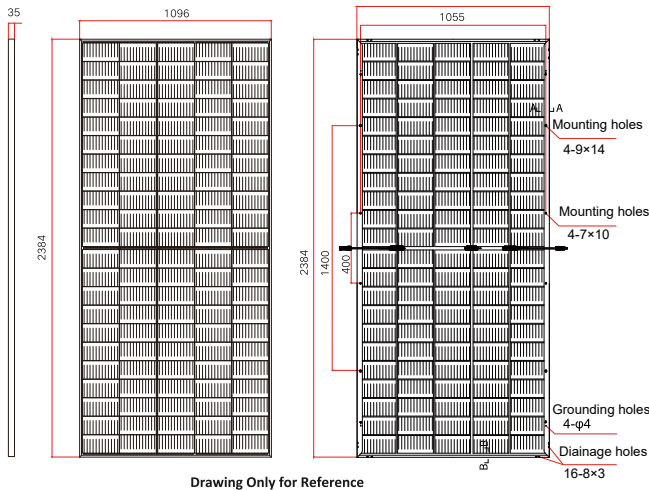
**12-year** ◀◀  
Material & Workmanship

**30-year** ◀◀  
Linear Power Output



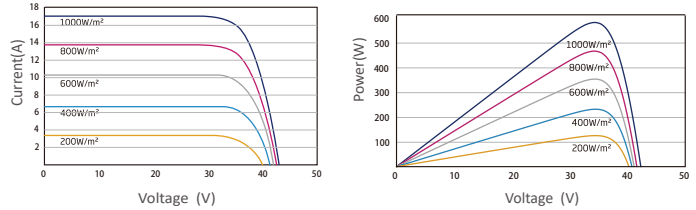
30-Year excess linear power output warranty





# RS91-555~575HBG-E1

## BIFACIAL MODULE WITH DUAL GLASS



Electrical Characteristics STC	RS91-555HBG-E1	RS91-560HBG-E1	RS91-565HBG-E1	RS91-570HBG-E1	RS91-575HBG-E1
Maximum Power (Pmax)	555W	560W	565W	570W	575W
Power Tolerance	0~+5W	0~+5W	0~+5W	0~+5W	0~+5W
Module Efficiency	21.24%	21.43%	21.62%	21.82%	22.01%
Maximum Power Current (Imp)	15.98A	16.04A	16.10A	16.16A	16.22A
Maximum Power Voltage (Vmp)	34.74V	34.92V	35.10V	35.28V	35.46V
Short Circuit Current (Isc)	17.02A	17.07A	17.12A	17.17A	17.22A
Open Circuit Voltage (Voc)	40.65V	40.82V	40.99V	41.16V	41.33V

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

Electrical Characteristics NOCT	RS91-555HBG-E1	RS91-560HBG-E1	RS91-565HBG-E1	RS91-570HBG-E1	RS91-575HBG-E1
Maximum Power (Pmax)	425W	429W	432W	436W	440W
Maximum Power Current (Imp)	12.76A	12.81A	12.86A	12.91A	12.95A
Maximum Power Voltage (Vmp)	33.40V	33.50V	33.60V	33.80V	34.00V
Short Circuit Current (Isc)	13.73A	13.77A	13.81A	13.85A	13.89A
Open Circuit Voltage (Voc)	39.00V	39.20V	39.40V	39.50V	39.70V

NOCT, Irradiance of 800W/m², AM1.5, Ambient Temperature 20 °C, wind Speed 1m/s.

### Mechanical Characteristics

Cell Type	MonoHJT-Type,210x210(±1)mm,110(5×22)Half-Cut cells
Glass	2mm, Double AR Coated Heat Strengthened 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

### Characteristics

Temperature Coefficient of Voc	-0.22%/°C
Temperature Coefficient of Isc	+0.047%/°C
Temperature Coefficient of Pmax	-0.24%/°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.

### Packing Information

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

### Maximum Ratings

Operating Temperature	-40°C~+85°C
Maximum System Voltage	1500VDC
Maximum Series Fuse Rating	30A



Note: Please read the safety and installation instructions before using this product  
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 web: www.renesola-energy.com  
 Version number:RS-T91-042-A

