

BIFACIAL MODULE WITH DUAL GLASS

# RS5-515~535NBG-E2



N-Type /Positive power tolerance of 0~+3%/Max module efficiency 22.53%

- Suitable for ground power plants and distributed projects
- Advanced module technology delivers superior module efficiency
  - Non destructive cutting · MBB half-cut
- Excellent power generation performance
  - Excellent IAM and Weak light response · Low temperature ratings
  - 0.40% linear Power decline
- High module quality ensures long-term reliability
  - Strict selected material · Advanced technology · Leading standard
- Ultra-hydrophilic self-cleaning coating techniques
- Enhanced Mechanical Load
  - Mechanical performance up to 5400pa positive load and 2400pa negative load

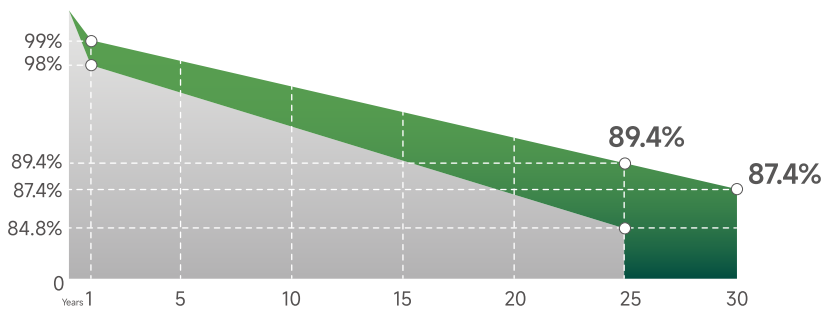


Complete System and IEC Product Certification

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

**15 -Year** ◀◀  
Material & Workmanship

**30 -Year** ◀◀  
Linear Power Output

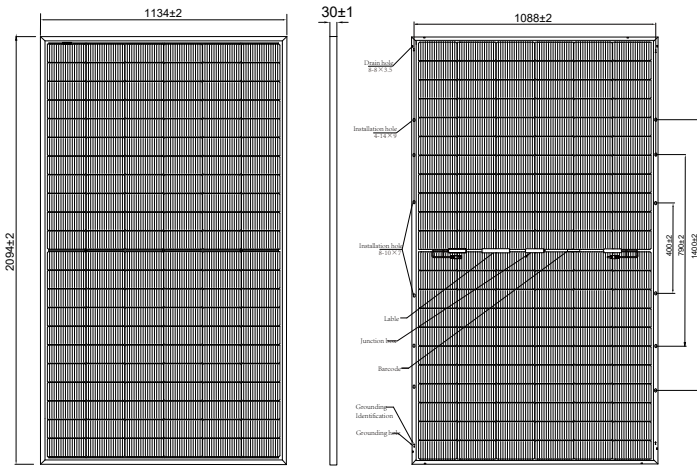


30-Year Excess Linear Power Output Warranty

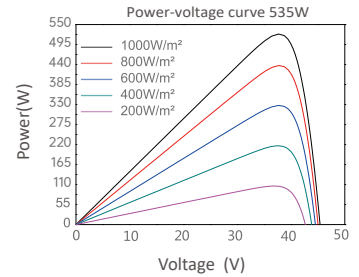
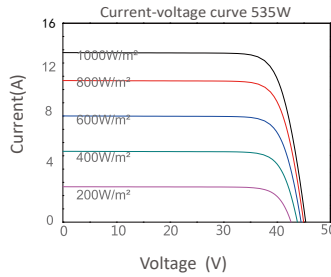


# RS5-515~535NBG-E2

## BIFACIAL MODULE WITH DUAL GLASS



Drawing Only for Reference



Electrical Characteristics STC	RS5-515NBG-E2	RS5-520NBG-E2	RS5-525NBG-E2	RS5-530NBG-E2	RS5-535NBG-E2
Maximum Power (Pmax)	515W	520W	525W	530W	535W
Power Tolerance	0~+5W	0~+5W	0~+5W	0~+5W	0~+5W
Module Efficiency	21.69%	21.90%	22.11%	22.32%	22.53%
Maximum Power Current (Imp)	13.01A	13.08A	13.15A	13.22A	13.29A
Maximum Power Voltage (Vmp)	39.58V	39.76V	39.92V	40.09V	40.26V
Short Circuit Current (Isc)	13.77A	13.83A	13.89A	13.95A	14.01A
Open Circuit Voltage (Voc)	47.60V	47.85V	48.10V	48.35V	48.59V

Values at Standard Test Conditions STC(AM1.5, Irradiance 1000W/m<sup>2</sup>, Cell Temperature 25°C)

Electrical Characteristics NOCT	RS5-515NBG-E2	RS5-520NBG-E2	RS5-525NBG-E2	RS5-530NBG-E2	RS5-535NBG-E2
Maximum Power (Pmax)	387W	391W	394W	398W	402W
Maximum Power Current (Imp)	10.51A	10.57A	10.62A	10.68A	10.73A
Maximum Power Voltage (Vmp)	36.81V	36.97V	37.13V	37.28V	37.44V
Short Circuit Current (Isc)	11.17A	11.22A	11.27A	11.32A	11.37A
Open Circuit Voltage (Voc)	44.74V	44.98V	45.21V	45.45V	45.64V

NOCT, Irradiance of 800W/m<sup>2</sup>, AM1.5, Ambient Temperature 20 °C, wind Speed 1m/s.

Electrical Characteristics with 10% rear side power gain	RS5-515NBG-E2	RS5-520NBG-E2	RS5-525NBG-E2	RS5-530NBG-E2	RS5-535NBG-E2
Maximum Power (Pmax)	567W	572W	578W	583W	589W
Maximum Power Current (Imp)	14.31A	14.39A	14.47A	14.54A	14.62A
Maximum Power Voltage (Vmp)	39.58V	39.76V	39.92V	40.09V	40.26V
Short Circuit Current (Isc)	15.15A	15.21A	15.28A	15.35A	15.41A
Open Circuit Voltage (Voc)	47.60V	47.85V	48.10V	48.35V	48.59V

### Mechanical Characteristics

Cell Type	Mono N-Type, 132(6×22) Half-Cut cells
Glass	2mm+2mm, High Transmission, Low Iron, Semi-tempered glass
Frame	Anodized Aluminum Alloy
Junction Box	IP68 Rated
Dimension	2094x1134x30mm
Output Cable	4mm <sup>2</sup> (EU), 300mm, length can be customized
Weight	30.5kg
Connector	MC4 Compatible

### Packing Information

Container	40' HQ
Pallets per Container	22
Pieces per Container	814

### Characteristics

Temperature Coefficient of Voc	-0.25%/°C
Temperature Coefficient of Isc	+0.045%/°C
Temperature Coefficient of Pmax	-0.29%/°C
Nominal Operating Cell Temperature(NOCT)	43±2°C
Fire Performance	IEC Class 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

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

