

BIFACIAL MODULE WITH DUAL GLASS

RS6-570~595N BG-E3



N-Type /Positive power tolerance of 0~+3%/Max module efficiency 23.03%

- 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 low irradiation performance · Lower temperature coefficient
 - 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

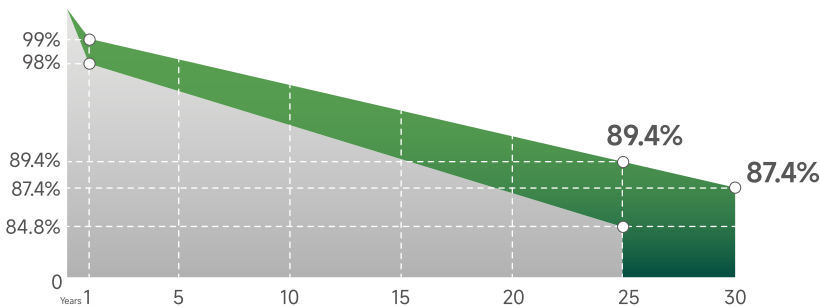
IEC 61215(2016), IEC 61730(2016) ISO9001:
2015:Quality Management System ISO14001:
2015:Environment Management System
ISO45001:2018:Occupational Health and Safety Management System

15 -Year

Material & Workmanship

30 -Year

Linear Power Output

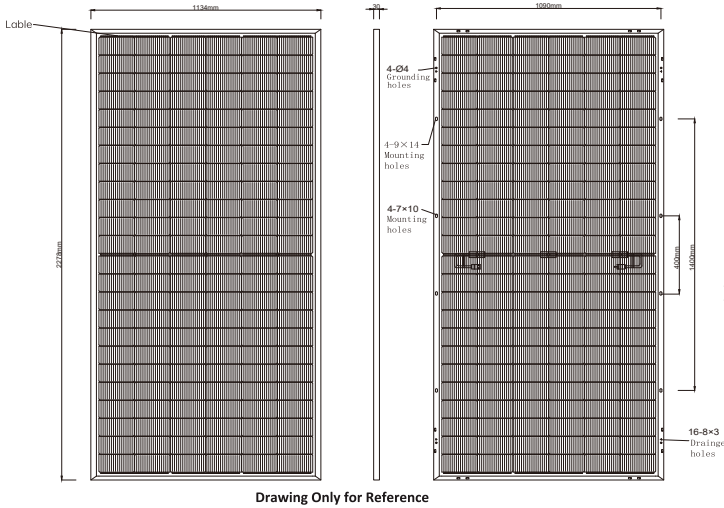


30-Year Excess Linear Power Output Warranty

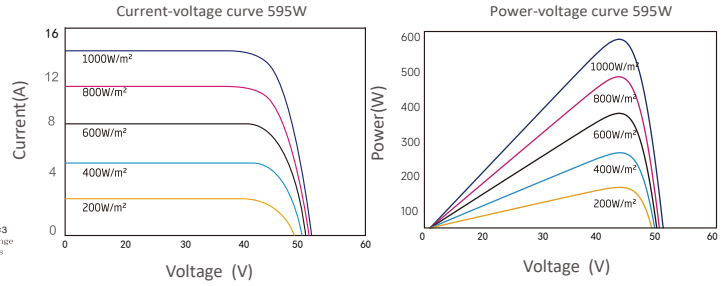


RS6-570~595NBG-E3

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Drawing Only for Reference



Electrical Characteristics STC	RS6-570NBG-E3	RS6-575NBG-E3	RS6-580NBG-E3	RS6-585NBG-E3	RS6-590NBG-E3	RS6-595NBG-E3
Maximum Power (Pmax)	570W	575W	580W	585W	590W	595W
Power Tolerance	0~+5W	0~+5W	0~+5W	0~+5W	0~+5W	0~+5W
Module Efficiency	22.07%	22.26%	22.45%	22.65%	22.84%	23.03%
Maximum Power Current (Imp)	13.08A	13.15A	13.22A	13.29A	13.36A	13.43A
Maximum Power Voltage (Vmp)	43.58V	43.73V	43.88V	44.02V	44.16V	44.30V
Short Circuit Current (Isc)	13.83A	13.89A	13.95A	14.01A	14.07A	14.13A
Open Circuit Voltage (Voc)	52.61V	52.81V	53.01V	53.21V	53.41V	53.61V

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

Electrical Characteristics NOCT	RS6-570NBG-E3	RS6-575NBG-E3	RS6-580NBG-E3	RS6-585NBG-E3	RS6-590NBG-E3	RS6-595NBG-E3
Maximum Power (Pmax)	432W	436W	440W	444W	448W	452W
Maximum Power Current (Imp)	10.65A	10.70A	10.75A	10.80A	10.85A	10.90A
Maximum Power Voltage (Vmp)	40.56V	40.75V	40.93V	41.11V	41.29V	41.47V
Short Circuit Current (Isc)	11.28A	11.33A	11.38A	11.43A	11.48A	11.53A
Open Circuit Voltage (Voc)	49.40V	49.59V	49.77V	49.96V	50.15V	50.34V

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

Electrical Characteristics with 10% rear side power gain	RS6-570NBG-E3	RS6-575NBG-E3	RS6-580NBG-E3	RS6-585NBG-E3	RS6-590NBG-E3	RS6-595NBG-E3
Maximum Power (Pmax)	627W	633W	638W	644W	649W	655W
Maximum Power Current (Imp)	14.39A	14.46A	14.54A	14.62A	14.70A	14.77A
Maximum Power Voltage (Vmp)	43.58V	43.73V	43.88V	44.02V	44.16V	44.30V
Short Circuit Current (Isc)	15.21A	15.28A	15.35A	15.41A	15.48A	15.54A
Open Circuit Voltage (Voc)	52.61V	52.81V	53.01V	53.21V	53.41V	53.61V

Mechanical Characteristics

Cell Type	Mono N-Type,144(6×24) Half-Cut cells
Glass	2mm+2mm,High Transmission,Low Iron,Semi-Tempered glass
Frame	Anodized Aluminum Alloy
Junction Box	IP68 Rated
Dimension	2278x1134x30mm
Output Cable	4mm2(EU),300mm,length can be customized
Weight	31.7kg
Connector	MC4 Compatible

Packing Information

Container	40' HQ
Pallets per Container	20
Pieces per Container	740

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

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

