

BIFACIAL MODULE WITH DUAL GLASS

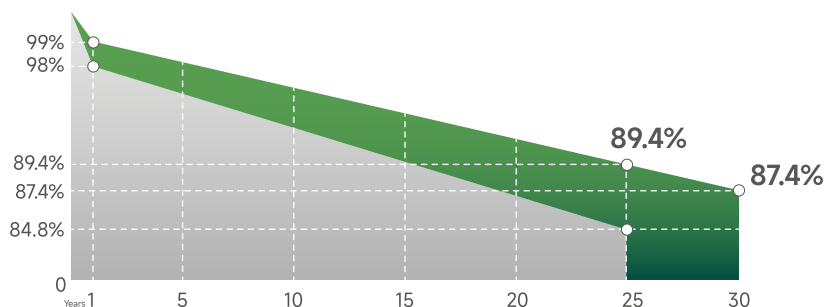
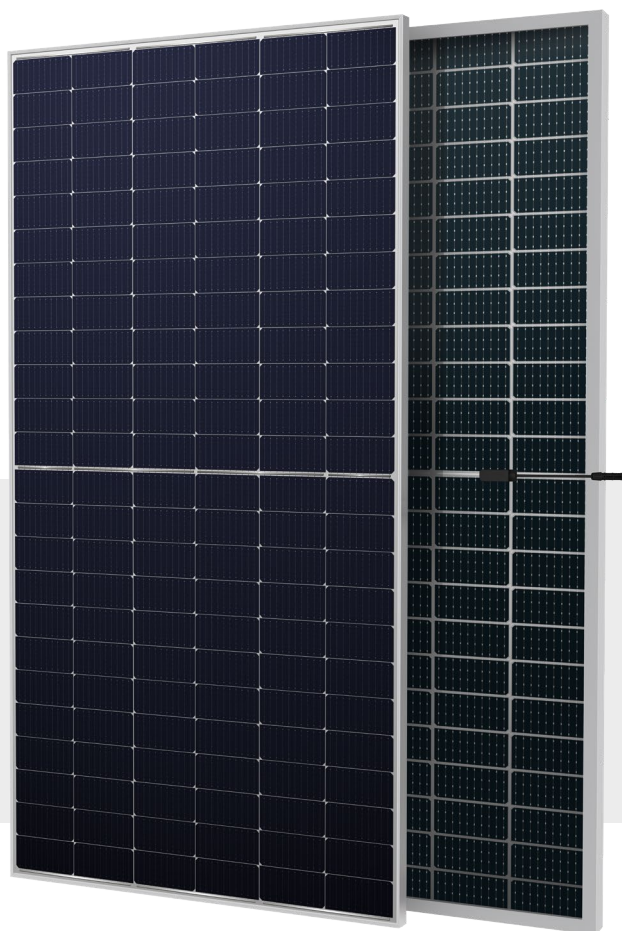
RS6-570~590N BG-E3

N-Type /Positive power tolerance of $\pm 3\%$ /Max module efficiency 22.84%

- 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(2021), IEC 61730(2016) ISO9001:
2015: Quality Management System ISO14001:
2015: Environment Management System
ISO45001:2018: Occupational Health
and Safety Management System

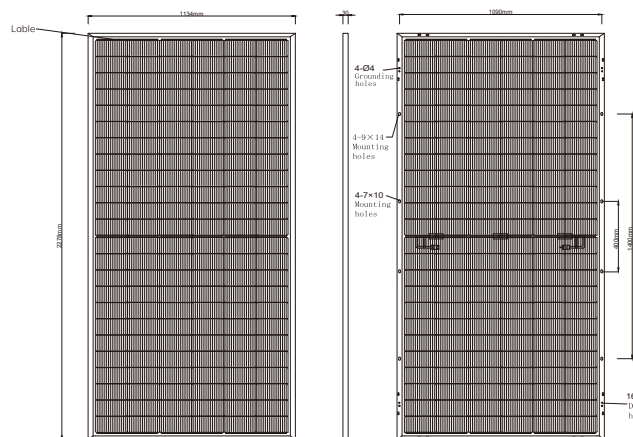


30-Year Excess Linear Power Output Warranty

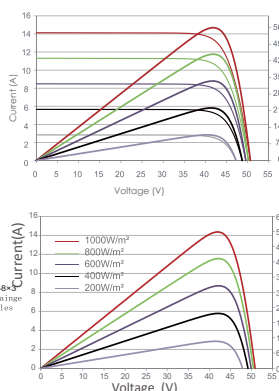


RS6-570~590NBG-E3

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Drawing Only for Reference



PV Connectors Make:Zeran Co.,Ltd.
PV Connectors Model:Z4S-abcde

Electrical Characteristics STC	RS6-570NBG-E3	RS6-575NBG-E3	RS6-580NBG-E3	RS6-585NBG-E3	RS6-590NBG-E3
Maximum Power(Pmax)	570W	575W	580W	585W	590W
Power Sorting Tolerance	0~+5W	0~+5W	0~+5W	0~+5W	0~+5W
Module Efficiency	22.07%	22.26%	22.45%	22.65%	22.84%
Maximum Power Current(Imp)	13.08A	13.15A	13.22A	13.29A	13.36A
Maximum Power Voltage(Vmp)	43.58V	43.73V	43.88V	44.02V	44.16V
Short Circuit Voltage(Isc)	13.83A	13.89A	13.95A	14.01A	14.07A
Open Circuit Voltage(Voc)	52.55V	52.75V	52.95V	53.15V	53.35V

Values at Standard Test Conditions STC(AM1.5, Irradiance 1000W/m², Cell Temperature 25°C)
Tolerance of Power/Voc/Isc : ±3%/±3%/±3%

Electrical Characteristics BNPI	RS6-570NBG-E3	RS6-575NBG-E3	RS6-580NBG-E3	RS6-585NBG-E3	RS6-590NBG-E3
Maximum Power(Pmax)	632W	637W	643W	648W	654W
Maximum Power Current(Imp)	14.49A	14.57A	14.65A	14.73A	14.80A
Maximum Power Voltage(Vmp)	43.58V	43.73V	43.88V	44.02V	44.18V
Short Circuit Voltage(Isc)	15.32A	15.39A	15.46A	15.52A	15.59A
Open Circuit Voltage(Voc)	52.55V	52.75V	52.95V	53.15V	53.35V

Short-circuit current bifaciality coefficient:(80±5)%; open circuit voltage bifaciality coefficient:(98±5)%; maximum power bifaciality coefficient:(80±5)%;

Electrical Characteristics with 21% rear side power gain	RS6-570NBG-E3	RS6-575NBG-E3	RS6-580NBG-E3	RS6-585NBG-E3	RS6-590NBG-E3
Maximum Power(Pmax)	689.70W	696.75W	701.80W	707.85W	713.90W
Maximum Power Current(Imp)	15.83A	15.91A	15.99A	16.08A	16.17A
Maximum Power Voltage(Vmp)	43.58V	43.73V	43.88V	44.02V	44.16V
Short Circuit Voltage(Isc)	16.73A	16.81A	16.88A	16.95A	17.02A
Open Circuit Voltage(Voc)	52.55V	52.75V	52.95V	53.15V	53.35V

Mechanical Characteristics

Cell Type	MonoN-Type,144(6×24)Half-Cut cells
Glass	2mm+2mm,High Transmission,Low Iron,Tempered Glass
Frame	Anodized Aluminum Alloy
Junction Box	IP68 Rated
Dimension	2278×1134×30mm
Output Cable	4 mm² (EU),300 mm,length can be customized
Weight	31.7kg

Packing Information

Container	40' HQ
Pallets per Container	20
Pieces per Container	720

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)	45°C±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

