

BIFACIAL MODULE WITH DUAL GLASS

RS6-580~605NBG-E3

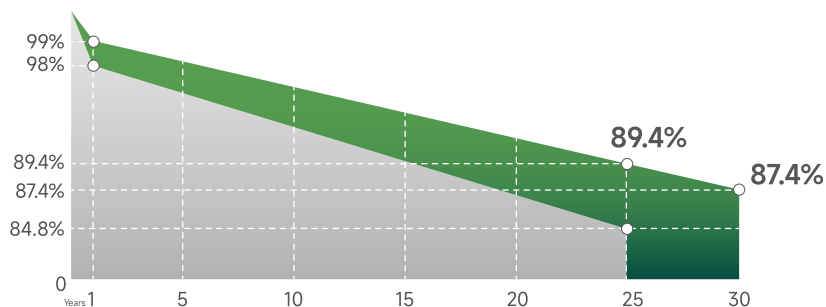
N-Type /Positive power tolerance of 0~+3%/Max module efficiency 23.42%

- 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
- Enhanced Mechanical Load
 - Mechanical performance up to 5400pa positive load and 2400pa negative load



Complete System and IEC Product Certification

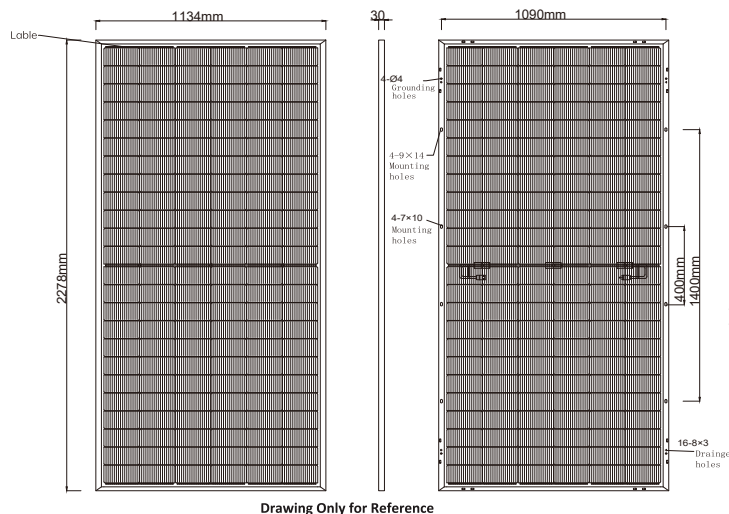
IEC 61215, IEC 61730 ISO9001:
2015: Quality Management System ISO14001:
2015: Environment Management System
ISO45001:2018: Occupational Health and Safety Management System



30-Year Excess Linear Power Output Warranty

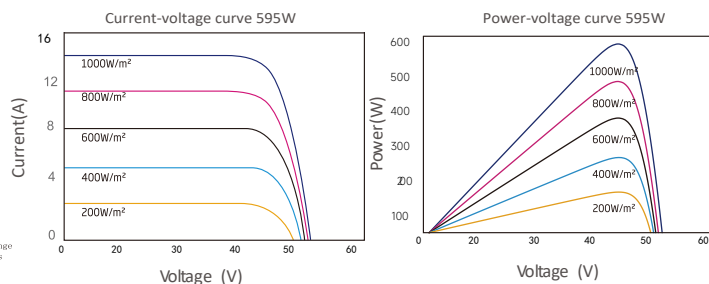
BLOOMBERG
TIER 1
Global
Leading Brand





RS6-580~605NBG-E3

BIFACIAL MODULE WITH DUAL GLASS



Electrical Characteristics STC	RS6-580NBG-E3	RS6-585NBG-E3	RS6-590NBG-E3	RS6-595NBG-E3	RS6-600NBG-E3	RS6-605NBG-E3
Maximum Power (Pmax)	580W	585W	590W	595W	600W	605W
Power Tolerance	0~+5W	0~+5W	0~+5W	0~+5W	0~+5W	0~+5W
Module Efficiency	22.45%	22.65%	22.84%	23.03%	23.23%	23.42%
Maximum Power Current (Imp)	13.22A	13.29A	13.36A	13.43A	13.50A	13.57A
Maximum Power Voltage (Vmp)	43.88V	44.02V	44.16V	44.30V	44.44V	44.58V
Short Circuit Current (Isc)	13.95A	14.01A	14.07A	14.13A	14.19A	14.25A
Open Circuit Voltage (Voc)	53.01V	53.21V	53.41V	53.61V	53.81V	54.01V

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

Electrical Characteristics BNPI	RS6-580NBG-E3	RS6-585NBG-E3	RS6-590NBG-E3	RS6-595NBG-E3	RS6-600NBG-E3	RS6-605NBG-E3
Maximum Power (Pmax)	643W	648W	654W	659W	665W	670W
Maximum Power Current (Imp)	14.65A	14.73A	14.80A	14.88A	14.96A	15.04A
Maximum Power Voltage (Vmp)	43.88V	44.02V	44.16V	44.30V	44.44V	44.58V
Short Circuit Current (Isc)	15.46A	15.52A	15.59A	15.66A	15.72A	15.79A
Open Circuit Voltage (Voc)	53.01V	53.21V	53.41V	53.61V	53.81V	54.01V

BNPI: Irradiance: Front 1000W/m², Rear 135W/m², Ambient Temperature 25°C, AM=1.5, Power Bifaciality:80±5%.

Electrical Characteristics rear side power gain	RS6-580NBG-E3	RS6-585NBG-E3	RS6-590NBG-E3	RS6-595NBG-E3	RS6-600NBG-E3	RS6-605NBG-E3
Backside Power Gain	5% 10%	5% 10%	5% 10%	5% 10%	5% 10%	5% 10%
Maximum Power (Pmax)	609W 638W	614W 644W	620W 649W	625W 655W	630W 660W	635W 666W
Maximum Power Current (Imp)	13.88A 14.54A	13.95A 14.62A	14.02A 14.70A	14.10A 14.77A	14.18A 14.85A	14.25A 14.93A
Maximum Power Voltage (Vmp)	43.88V 43.88V	44.02V 44.02V	44.16V 44.16V	44.30V 44.30V	44.44V 44.44V	44.58V 44.58V
Short Circuit Current (Isc)	14.65A 15.35A	14.71A 15.41A	14.77A 15.48A	14.84A 15.54A	14.90A 15.61A	14.96A 15.68A
Open Circuit Voltage (Voc)	53.01V 53.01V	53.21V 53.21V	53.41V 53.41V	53.61V 53.61V	53.81V 53.81V	54.01V 54.01V

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),+200mm,-300mm or 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

