

BIFACIAL MODULE WITH DUAL GLASS

RS6-575~600NBG-E3

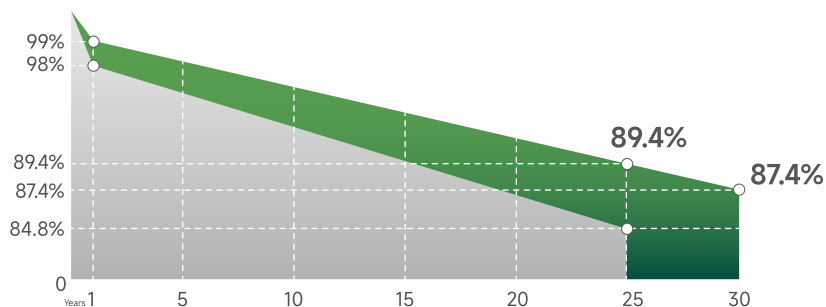
N-Type /Positive power tolerance of 0~+3%/Max module efficiency 23.23%

- 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

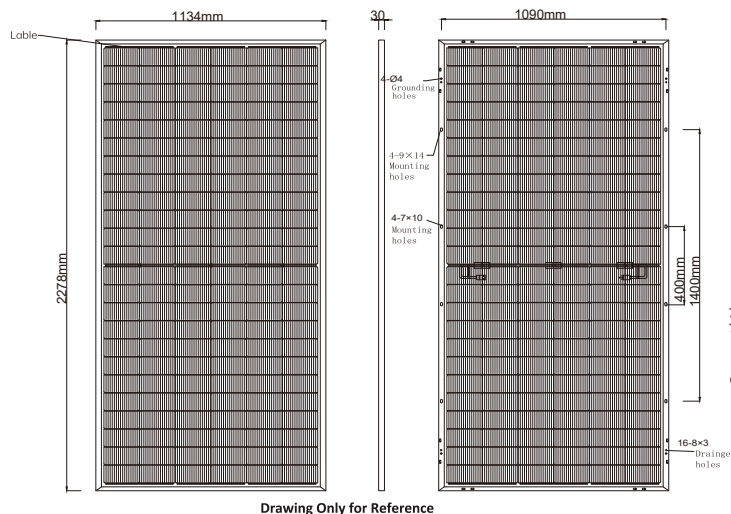
IEC 61215, IEC 61730 ISO9001:
2015: Quality Management System ISO14001:
2015: Environment Management System
ISO45001:2018: Occupational Health and Safety Management System



30-Year Excess Linear Power Output Warranty

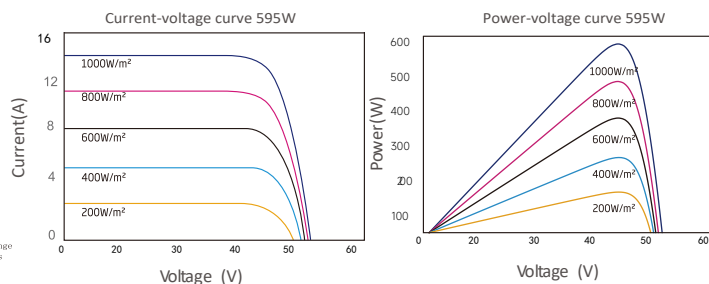
BLOOMBERG
TIER 1
Global
Leading Brand





RS6-575~600NBG-E3

BIFACIAL MODULE WITH DUAL GLASS



Electrical Characteristics STC	RS6-575NBG-E3	RS6-580NBG-E3	RS6-585NBG-E3	RS6-590NBG-E3	RS6-595NBG-E3	RS6-600NBG-E3
Maximum Power (Pmax)	575W	580W	585W	590W	595W	600W
Power Tolerance	0~+5W	0~+5W	0~+5W	0~+5W	0~+5W	0~+5W
Module Efficiency	22.26%	22.45%	22.65%	22.84%	23.03%	23.23%
Maximum Power Current (Imp)	13.15A	13.22A	13.29A	13.36A	13.43A	13.50A
Maximum Power Voltage (Vmp)	43.73V	43.88V	44.02V	44.16V	44.30V	44.44V
Short Circuit Current (Isc)	13.89A	13.95A	14.01A	14.07A	14.13A	14.19A
Open Circuit Voltage (Voc)	52.81V	53.01V	53.21V	53.41V	53.61V	53.81V

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

Electrical Characteristics BNPI	RS6-575NBG-E3	RS6-580NBG-E3	RS6-585NBG-E3	RS6-590NBG-E3	RS6-595NBG-E3	RS6-600NBG-E3
Maximum Power (Pmax)	637W	643W	648W	654W	659W	665W
Maximum Power Current (Imp)	14.57A	14.65A	14.73A	14.80A	14.88A	14.96A
Maximum Power Voltage (Vmp)	43.73V	43.88V	44.02V	44.16V	44.30V	44.44V
Short Circuit Current (Isc)	15.39A	15.46A	15.52A	15.59A	15.66A	15.72A
Open Circuit Voltage (Voc)	52.81V	53.01V	53.21V	53.41V	53.61V	53.81V

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	RS6-575NBG-E3		RS6-580NBG-E3		RS6-585NBG-E3		RS6-590NBG-E3		RS6-595NBG-E3		RS6-600NBG-E3	
Backside Power Gain	5%	10%	5%	10%	5%	10%	5%	10%	5%	10%	5%	10%
Maximum Power (Pmax)	604W	633W	609W	638W	614W	644W	620W	649W	625W	655W	630W	660W
Maximum Power Current (Imp)	13.81A	14.46A	13.88A	14.54A	13.95A	14.62A	14.02A	14.70A	14.10A	14.77A	14.18A	14.85A
Maximum Power Voltage (Vmp)	43.73V	43.73V	43.88V	43.88V	44.02V	44.02V	44.16V	44.16V	44.30V	44.30V	44.44V	44.44V
Short Circuit Current (Isc)	14.58A	15.28A	14.65A	15.35A	14.71A	15.41A	14.77A	15.48A	14.84A	15.54A	14.90A	15.61A
Open Circuit Voltage (Voc)	52.81V	52.81V	53.01V	53.01V	53.21V	53.21V	53.41V	53.41V	53.61V	53.61V	53.81V	53.81V

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
Juction Box	IP68 Rated
Dimension	2278x1134x30mm
Output Cable	EVO2,1200mm
Weight	31.7kg
Connector	MC4 Compatible

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)	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

