

BIFACIAL MODULE WITH DUAL GLASS

RS6-575~600NBG-E3

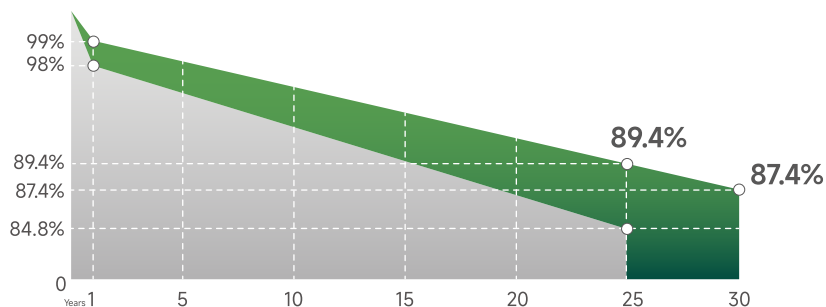
N-Type /Positive power tolerance of $\pm 3\%$ /Max module efficiency 23.23%

- 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 61215:2021, IEC 61730:2023, ISO9001
2015:Quality Management System ISO14001:
2015:Environment Management System
ISO45001:2018:Occupational Health
and Safety Management System

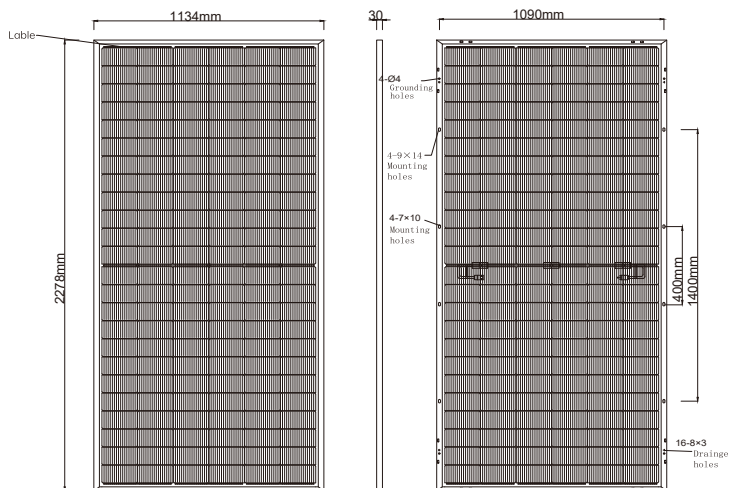


30-Year Excess Linear Power Output Warranty

The power performance warranty is for front side only.

BLOOMBERG
TIER 1
Global
Leading Brand

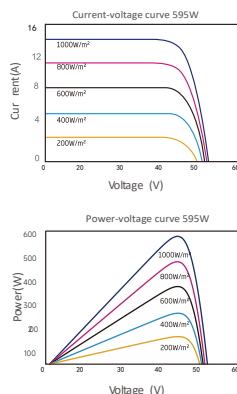




Drawing Only for Reference

RS6-575~600NBG-E3

BIFACIAL MODULE WITH DUAL GLASS



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

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	44.18V	44.31V	44.44V
Short Circuit Current (Isc)	13.89A	13.95A	14.01A	14.07A	14.13A	14.19A
Open Circuit Voltage (Voc)	52.30V	52.50V	52.70V	52.90V	53.10V	53.31V

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/BSI	RS6-575NBG-E3	RS6-580NBG-E3	RS6-585NBG-E3	RS6-590NBG-E3	RS6-595NBG-E3	RS6-600NBG-E3
	BNPI	BNPI	BNPI	BNPI	BNPI	BNPI
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	44.18V	44.31V	44.44V
Short Circuit Current (Isc)	15.39A	15.46A	15.52A	15.59A	15.66A	15.72A
Short Circuit Current (BSI Isc)	17.22A	17.30A	17.37A	17.45A	17.52A	17.60A
Open Circuit Voltage (Voc)	52.30V	52.50V	52.70V	52.90V	53.10V	53.31V

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

Short-circuit current bifaciality coefficient:(80±5)%; Open circuit voltage bifaciality coefficient:(98±5)%; Maximum power bifaciality coefficient:(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	44.18V 44.18V	44.31V 44.31V	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)	52.30V 52.30V	52.50V 52.50V	52.70V 52.70V	52.90V 52.90V	53.10V 53.10V	53.31V 53.31V

Module Temperature rating [T98] max of 70°C

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	30.0kg
Installation Hole Location	See Drawing Above

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	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

