

BIFACIAL MODULE WITH DUAL GLASS

RS7-635~655NBG-E2

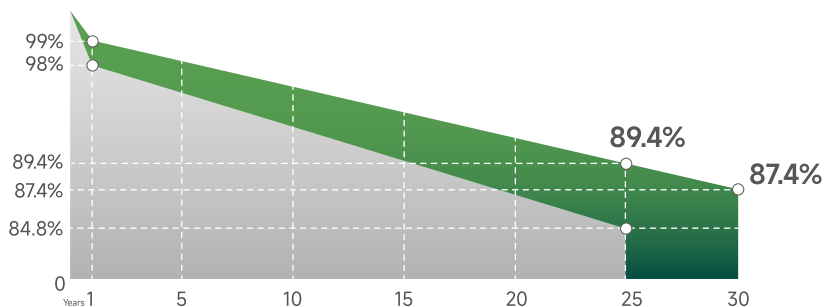
N-Type /Positive power tolerance of 0~+3%/Max module efficiency 23.43%

- 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

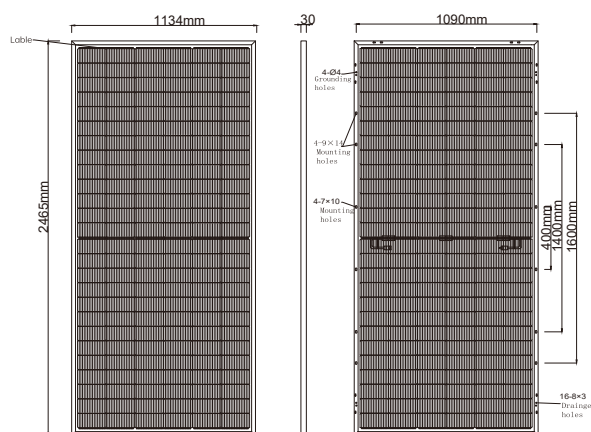
IEC 61215, IEC 61730 ISO9001:
2015: Quality Management System ISO14001:
2015: Environment Management System
ISO45001:2018: Occupational Health
and Safety Management System



30-Year Excess Linear Power Output Warranty

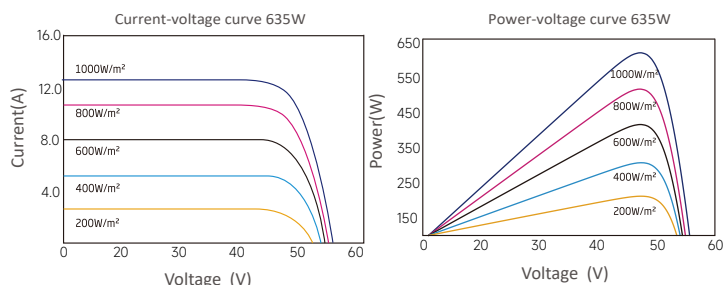
BLOOMBERG
TIER 1
Global
Leading Brand





RS7-635~655NBG-E2

BIFACIAL MODULE WITH DUAL GLASS



Electrical Characteristics STC	RS7-635NBG-E2	RS7-640NBG-E2	RS7-645NBG-E2	RS7-650NBG-E2	RS7-655NBG-E2
Maximum Power (Pmax)	635W	640W	645W	650W	655W
Power Tolerance	0~+5W	0~+5W	0~+5W	0~+5W	0~+5W
Module Efficiency	22.72%	22.90%	23.07%	23.25%	23.43%
Maximum Power Current (Imp)	13.27A	13.33A	13.39A	13.45A	13.51A
Maximum Power Voltage (Vmp)	47.86V	48.02V	48.17V	48.33V	48.48V
Short Circuit Current (Isc)	13.92A	13.98A	14.04A	14.10A	14.16A
Open Circuit Voltage (Voc)	57.76V	57.89V	58.02V	58.15V	58.28V

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

Electrical Characteristics BNPI	RS7-635NBG-E2	RS7-640NBG-E2	RS7-645NBG-E2	RS7-650NBG-E2	RS7-655NBG-E2
Maximum Power (Pmax)	704W	709W	715W	720W	726W
Maximum Power Current (Imp)	14.70A	14.77A	14.84A	14.90A	14.97A
Maximum Power Voltage (Vmp)	47.86V	48.02V	48.17V	48.33V	48.48V
Short Circuit Current (Isc)	15.42A	15.49A	15.56A	15.62A	15.69A
Open Circuit Voltage (Voc)	57.76V	57.89V	58.02V	58.15V	58.28V

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	RS7-635NBG-E2	RS7-640NBG-E2	RS7-645NBG-E2	RS7-650NBG-E2	RS7-655NBG-E2
Backside Power Gain	5% 10%	5% 10%	5% 10%	5% 10%	5% 10%
Maximum Power (Pmax)	667W 699W	672W 704W	677W 710W	683W 715W	688W 721W
Maximum Power Current (Imp)	13.93A 14.59A	13.99A 14.66A	14.06A 14.73A	14.12A 14.79A	14.19A 14.86A
Maximum Power Voltage (Vmp)	47.86V 47.86V	48.02V 48.02V	48.17V 48.17V	48.33V 48.33V	48.48V 48.48V
Short Circuit Current (Isc)	14.62A 15.31A	14.68A 15.38A	14.74A 15.44A	14.81A 15.51A	14.87A 15.58A
Open Circuit Voltage (Voc)	57.76V 57.76V	57.89V 57.89V	58.02V 58.02V	58.15V 58.15V	58.28V 58.28V

Mechanical Characteristics

Cell Type	Mono N-Type,156(6×26) Half-Cut cells
Glass	2mm+2mm,High Transmission,Low Iron,Semi-tempered glass
Frame	Anodized Aluminum Alloy
Junction Box	IP68 Rated
Dimension	2465x1134x30mm
Output Cable	4mm2(EU),+200mm,-300mm or Customized
Weight	35kg
Connector	MC4 Compatible

Packing Information

Container	40' HQ
Pallets per Container	16
Pieces per Container	592

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

