

BIFACIAL MODULE WITH DUAL GLASS

RS7-615~635NBG-E2



N-Type /Positive power tolerance of 0~+3%/Max module efficiency 22.72%

- 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

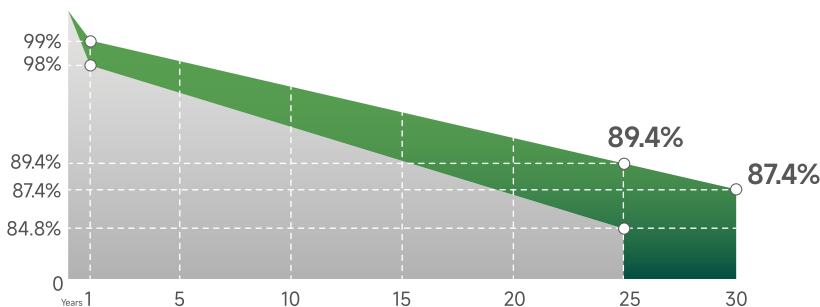


Complete System and IEC Product Certification

IEC 61215(2016), IEC 61730(2016) ISO9001: 2015: Quality Management System ISO14001: 2015: Environment Management System ISO45001: 2018: Occupational Health and Safety Management System

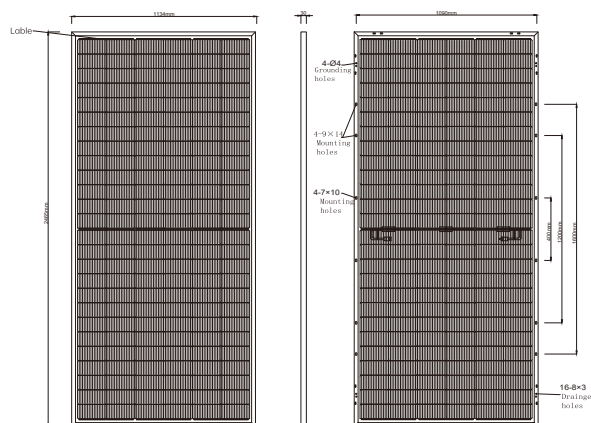
15 -Year ◀◀
Material & Workmanship

30 -Year ◀◀
Linear Power Output



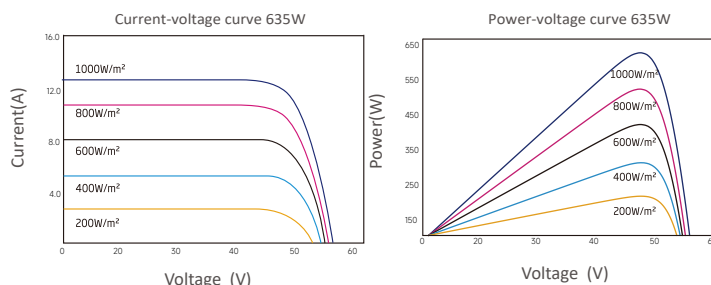
30-Year Excess Linear Power Output Warranty





RS7-615~635NBG-E2

BIFACIAL MODULE WITH DUAL GLASS



| Electrical Characteristics STC | RS7-615NBG-E2 | RS7-620NBG-E2 | RS7-625NBG-E2 | RS7-630NBG-E2 | RS7-635NBG-E2 |
|--------------------------------|---------------|---------------|---------------|---------------|---------------|
| Maximum Power (Pmax) | 615W | 620W | 625W | 630W | 635W |
| Power Tolerance | 0~+5W | 0~+5W | 0~+5W | 0~+5W | 0~+5W |
| Module Efficiency | 22.00% | 22.18% | 22.35% | 22.54% | 22.72% |
| Maximum Power Current (Imp) | 13.03A | 13.09A | 13.15A | 13.21A | 13.27A |
| Maximum Power Voltage (Vmp) | 47.20V | 47.37V | 47.54V | 47.70V | 47.86V |
| Short Circuit Current (Isc) | 13.68A | 13.74A | 13.80A | 13.86A | 13.92A |
| Open Circuit Voltage (Voc) | 57.24V | 57.37V | 57.50V | 57.63V | 57.76V |

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

| Electrical Characteristics NOCT | RS7-615NBG-E2 | RS7-620NBG-E2 | RS7-625NBG-E2 | RS7-630NBG-E2 | RS7-635NBG-E2 |
|---------------------------------|---------------|---------------|---------------|---------------|---------------|
| Maximum Power (Pmax) | 462W | 466W | 470W | 473W | 477W |
| Maximum Power Current (Imp) | 10.52A | 10.57A | 10.62A | 10.67A | 10.72A |
| Maximum Power Voltage (Vmp) | 43.90V | 44.05V | 44.21V | 44.36V | 44.51V |
| Short Circuit Current (Isc) | 11.09A | 11.16A | 11.22A | 11.29A | 11.35A |
| Open Circuit Voltage (Voc) | 53.81V | 53.93V | 54.05V | 54.17V | 54.29V |

NOCT, Irradiance of 800W/m², AM1.5, Ambient Temperature 20 °C, wind Speed 1m/s.

| Electrical Characteristics with 10% rear side power gain | RS7-615NBG-E2 | RS7-620NBG-E2 | RS7-625NBG-E2 | RS7-630NBG-E2 | RS7-635NBG-E2 |
|--|---------------|---------------|---------------|---------------|---------------|
| Maximum Power (Pmax) | 677W | 682W | 688W | 693W | 699W |
| Maximum Power Current (Imp) | 14.33A | 14.40A | 14.46A | 14.53A | 14.59A |
| Maximum Power Voltage (Vmp) | 47.20V | 47.37V | 47.54V | 47.70V | 47.86V |
| Short Circuit Current (Isc) | 15.05A | 15.11A | 15.18A | 15.25A | 15.31A |
| Open Circuit Voltage (Voc) | 57.24V | 57.37V | 57.50V | 57.63V | 57.76V |

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 | 4mm ² (EU), 300mm, length can be customized |
| Weight | 35kg |
| Connector | MC4 Compatible |

Packing Information

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|-----------------------|--------|
| 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

| | |
|----------------------------|-------------|
| Operatinh Temperature | -40°C~+85°C |
| Maximum System Voltage | 1500VDC |
| Maximum Series Fuse Rating | 30A |

