



## BIFACIAL MODULE WITH DUAL GLASS

# RS6H-600~620NBG-E1

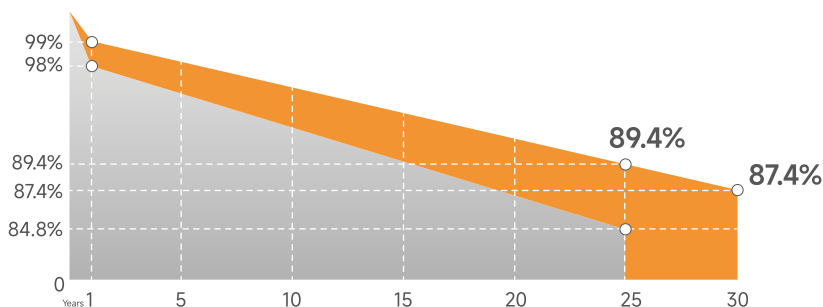
N-Type /Positive power tolerance of 0~+3%/Max module efficiency 22.95%

- 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



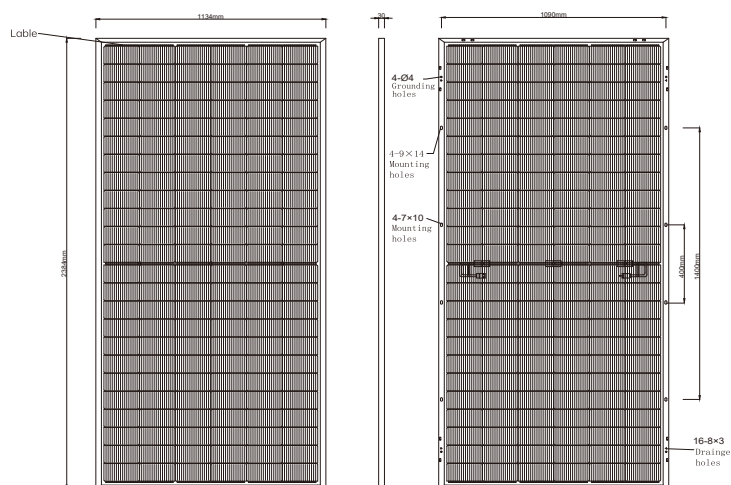
### Complete System and IEC Product Certification

IEC 61215(2016), IEC 61730(2016) 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

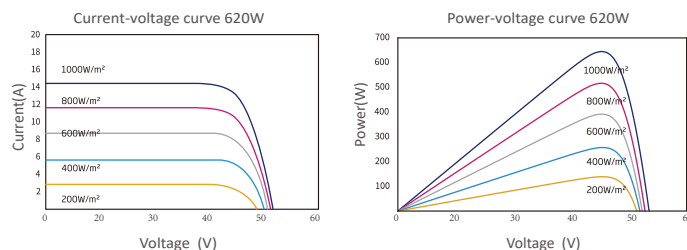




Drawing Only for Reference

# RS6H-600~620NBG-E1

BIFACIAL MODULE WITH DUAL GLASS



| Electrical Characteristics STC | RS6H-600NBG-E1 | RS6H-605NBG-E1 | RS6H-610NBG-E1 | RS6H-615NBG-E1 | RS6H-620NBG-E1 |
|--------------------------------|----------------|----------------|----------------|----------------|----------------|
| Maximum Power (Pmax)           | 600W           | 605W           | 610W           | 615W           | 620W           |
| Power Tolerance                | 0~+5W          | 0~+5W          | 0~+5W          | 0~+5W          | 0~+5W          |
| Module Efficiency              | 22.21%         | 22.40%         | 22.58%         | 22.77%         | 22.95%         |
| Maximum Power Current (Imp)    | 13.89A         | 13.96A         | 14.02A         | 14.08A         | 14.15A         |
| Maximum Power Voltage (Vmp)    | 43.25V         | 43.41V         | 43.57V         | 43.68V         | 43.82V         |
| Short Circuit Current (Isc)    | 14.66A         | 14.71A         | 14.77A         | 14.82A         | 14.88A         |
| Open Circuit Voltage (Voc)     | 52.05V         | 52.24V         | 52.45V         | 52.66V         | 52.88V         |

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

| Electrical Characteristics NOCT | RS6H-600NBG-E1 | RS6H-605NBG-E1 | RS6H-610NBG-E1 | RS6H-615NBG-E1 | RS6H-620NBG-E1 |
|---------------------------------|----------------|----------------|----------------|----------------|----------------|
| Maximum Power (Pmax)            | 457W           | 461W           | 465W           | 469W           | 472W           |
| Maximum Power Current (Imp)     | 11.37A         | 11.42A         | 11.47A         | 11.54A         | 11.59A         |
| Maximum Power Voltage (Vmp)     | 40.22V         | 40.37V         | 40.52V         | 40.62V         | 40.75V         |
| Short Circuit Current (Isc)     | 11.92A         | 11.97A         | 12.03A         | 12.08A         | 12.12A         |
| Open Circuit Voltage (Voc)      | 48.93V         | 49.11V         | 49.30V         | 49.50V         | 49.71V         |

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

| Electrical Characteristics with 10% rear side power gain | RS6H-600NBG-E1 | RS6H-605NBG-E1 | RS6H-610NBG-E1 | RS6H-615NBG-E1 | RS6H-620NBG-E1 |
|----------------------------------------------------------|----------------|----------------|----------------|----------------|----------------|
| Maximum Power (Pmax)                                     | 660W           | 666W           | 671W           | 677W           | 682W           |
| Maximum Power Current (Imp)                              | 15.28A         | 15.36A         | 15.42A         | 15.49A         | 15.57A         |
| Maximum Power Voltage (Vmp)                              | 43.25V         | 43.41V         | 43.57V         | 43.68V         | 43.82V         |
| Short Circuit Current (Isc)                              | 16.13A         | 16.18A         | 16.25A         | 16.30A         | 16.37A         |
| Open Circuit Voltage (Voc)                               | 52.05V         | 52.24V         | 52.45V         | 52.66V         | 52.88V         |

| Mechanical Characteristics |                                                           |
|----------------------------|-----------------------------------------------------------|
| Cell Type                  | Mono N-Type, 18BB, 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                  | 2382x1134x30mm                                            |
| Output Cable               | 4mm²(EU), 300mm, length can be customized                 |
| Weight                     | 32.4kg                                                    |
| 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         |



Note: Please read the safety and installation instructions before using this product  
Version number: RS-T6H-01-B-EN

