

## BIFACIAL MODULE WITH DUAL GLASS

# RS8-595~605MBG-E1

P-Type /Positive power tolerance of 0~+3%/Max module efficiency 21.38%

- Suitable for ground power plants and distributed projects
- Advanced module technology delivers superior module efficiency
  - Gallium-doped Wafer · Non destructive cutting · MBB half-cut
- Excellent power generation performance
  - Excellent IAM and Weak light response · Low temperature ratings
  - 0.45% linear Power decline
- High module quality ensures long-term reliability
  - Strict selected material · Advanced technology · Leading standard
- Ultra-hydrophilic self-cleaning coating techniques

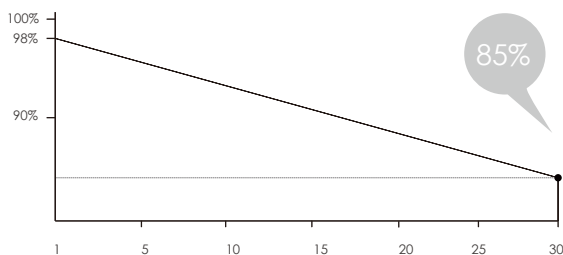


Complete System and IEC Product Certification

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

**12-year** Material & Workmanship

**30-year** Linear Power Output



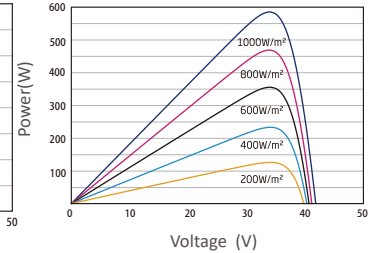
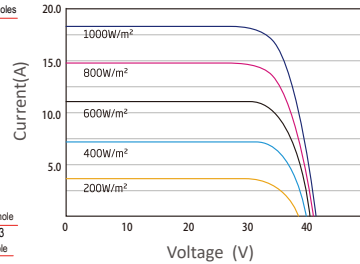
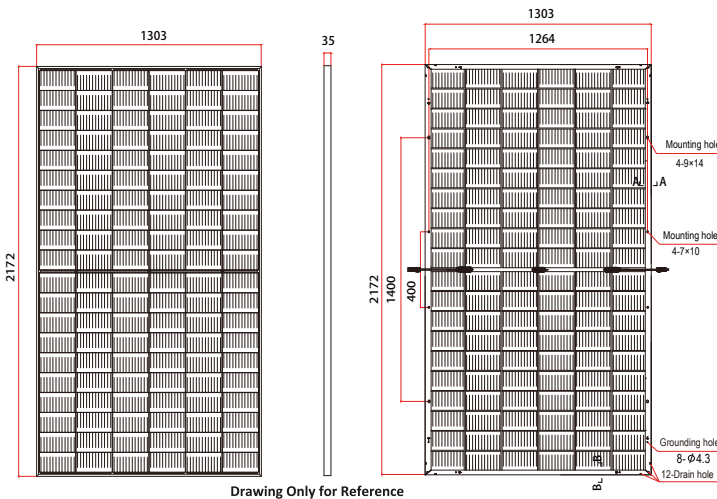
30-Year excess linear power output warranty



# Jupiter 8

## RS8-595~605MBG-E1

BIFACIAL MODULE WITH DUAL GLASS



| Electrical Characteristics STC | RS8-595MBG-E1 | RS8-600MBG-E1 | RS8-605MBG-E1 |
|--------------------------------|---------------|---------------|---------------|
| Maximum Power (Pmax)           | 595W          | 600W          | 605W          |
| Power Tolerance                | 0~+5W         | 0~+5W         | 0~+5W         |
| Module Efficiency              | 21.02%        | 21.20%        | 21.38%        |
| Maximum Power Current (Imp)    | 17.30A        | 17.34A        | 17.39A        |
| Maximum Power Voltage (Vmp)    | 34.40V        | 34.60V        | 34.80V        |
| Short Circuit Current (Isc)    | 18.36A        | 18.42A        | 18.49A        |
| Open Circuit Voltage (Voc)     | 41.50V        | 41.70V        | 41.90V        |

Values at Standard Test Conditions STC(AM1.5, Irradiance 1000W/m<sup>2</sup>, Cell Temperature 25°C)

| Electrical Characteristics NOCT | RS8-595MBG-E1 | RS8-600MBG-E1 | RS8-605MBG-E1 |
|---------------------------------|---------------|---------------|---------------|
| Maximum Power (Pmax)            | 451W          | 454W          | 458W          |
| Maximum Power Current (Imp)     | 14.06A        | 14.10A        | 14.14A        |
| Maximum Power Voltage (Vmp)     | 32.00V        | 32.20V        | 32.40V        |
| Short Circuit Current (Isc)     | 14.80A        | 14.84A        | 14.88A        |
| Open Circuit Voltage (Voc)      | 39.10V        | 39.30V        | 39.50V        |

NOCT, Irradiance of 800W/m<sup>2</sup> AM1.5, Ambient Temperature 20 °C, wind Speed 1m/s.

| Electrical Characteristics with 21% rear side power gain | RS8-595MBG-E1 | RS8-600MBG-E1 | RS8-605MBG-E1 |
|--|---------------|---------------|---------------|
| Maximum Power (Pmax)                                     | 720W          | 726W          | 732W          |
| Maximum Power Current (Imp)                              | 20.93A        | 20.98A        | 21.03A        |
| Maximum Power Voltage (Vmp)                              | 34.40V        | 34.60V        | 34.80V        |
| Short Circuit Current (Isc)                              | 22.22A        | 22.29A        | 22.37A        |
| Open Circuit Voltage (Voc)                               | 41.50V        | 41.70V        | 41.90V        |

### Mechanical Characteristics

|                            |  |
|----------------------------|--|
| Cell Type                  | MonoP-Type, 210x210(±1)mm, 120(6x20)Half-Cut cells   |
| Glass                      | 2mm+2mm, High Transmission, Low Iron, Tempered Glass |
| Frame                      | Anodized Aluminum Alloy                              |
| Junction Box               | IP68 Rated, With Bypass Diodes                       |
| Dimension                  | 2172×1303×35mm                                       |
| Output Cable               | 4 mm2 (EU), 300 mm, length can be customized         |
| Weight                     | 35.3kg   |
| Installation Hole Location | See Drawing Above                                    |

### Packing Information

|                       |        |
|-----------------------|--------|
| Container             | 40' HQ |
| Pallets per Container | 18     |
| Pieces per Container  | 558    |

### Characteristics

|   |           |
|---|-----------|
| Temperature Coefficient of Voc            | -0.27%/°C |
| Temperature Coefficient of Isc            | +0.04%/°C |
| Temperature Coefficient of Pmax           | -0.35%/°C |
| Nominal Operating Cell Temperature (NOCT) | 45°C±2°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 | 35A         |

