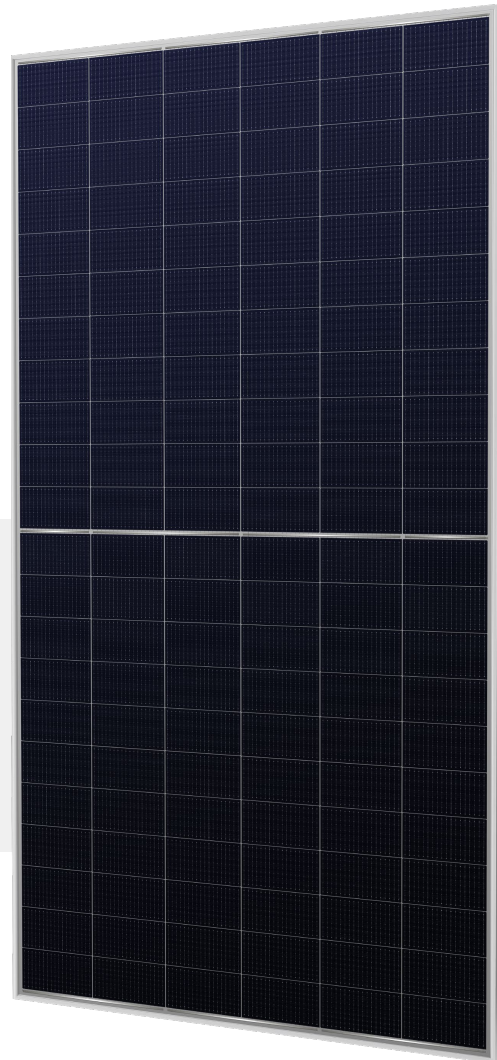


MONO-FACIAL MODULE

# RS9-685~705N-E1

N-Type /Positive power tolerance of 0~+3%/Max module efficiency 22.70%

- 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 Weak light response · Low temperature ratings
  - 0.4% 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

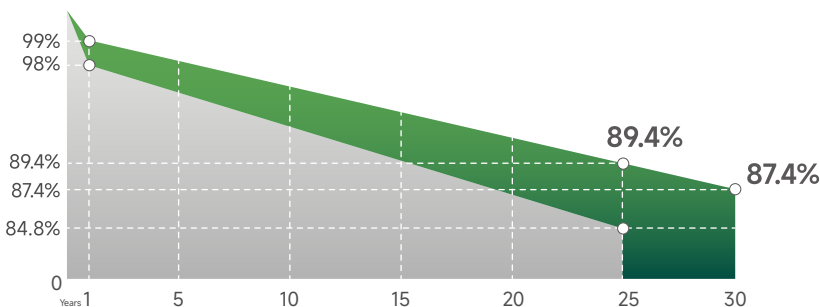
IEC 61215(2016), IEC 61730(2016) ISO9001:2015:Quality Management System ISO14001:2015:Environment Management System ISO45001:2018:Occupational Health and Safety Management System

**15 -Year**

Material & Workmanship

**30 -Year**

Linear Power Output



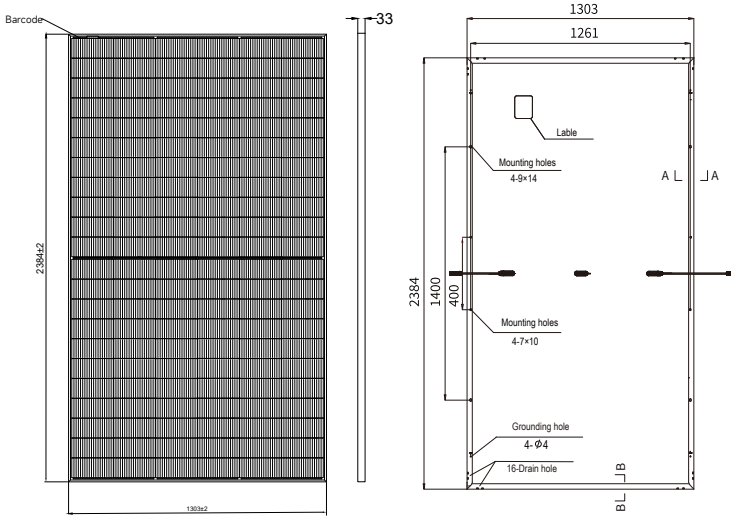
30-Year excess linear power output warranty

BLOOMBERG  
**TIER 1**  
Global  
Leading Brand

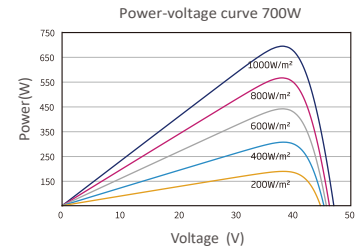
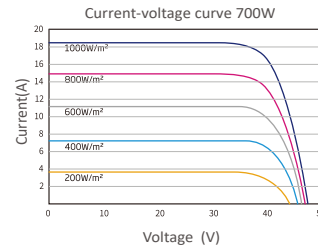


# RS9-685~705N-E1

## MONO-FACIAL MODULE



Drawing Only for Reference



| Electrical Characteristics STC | RS9-685N-E1 | RS9-690N-E1 | RS9-695N-E1 | RS9-700N-E1 | RS9-705N-E1 |
|--------------------------------|-------------|-------------|-------------|-------------|-------------|
| Maximum Power (Pmax)           | 685W        | 690W        | 695W        | 700W        | 705W        |
| Power Tolerance                | 0~+5W       | 0~+5W       | 0~+5W       | 0~+5W       | 0~+5W       |
| Module Efficiency              | 22.05%      | 22.21%      | 22.37%      | 22.53%      | 22.70%      |
| Maximum Power Current (Imp)    | 17.86A      | 17.89A      | 17.93A      | 17.96A      | 18.00A      |
| Maximum Power Voltage (Vmp)    | 38.36V      | 38.56V      | 38.77V      | 38.97V      | 39.17V      |
| Short Circuit Current (Isc)    | 18.61A      | 18.66A      | 18.72A      | 18.77A      | 18.82A      |
| Open Circuit Voltage (Voc)     | 47.01V      | 47.22V      | 47.42V      | 47.63V      | 47.83V      |

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

| Electrical Characteristics NOCT | RS9-685N-E1 | RS9-690N-E1 | RS9-695N-E1 | RS9-700N-E1 | RS9-705N-E1 |
|---------------------------------|-------------|-------------|-------------|-------------|-------------|
| Maximum Power (Pmax)            | 518W        | 522W        | 525W        | 529W        | 533W        |
| Maximum Power Current (Imp)     | 14.52A      | 14.55A      | 14.57A      | 14.60A      | 14.63A      |
| Maximum Power Voltage (Vmp)     | 35.68V      | 35.86V      | 36.05V      | 36.24V      | 36.43V      |
| Short Circuit Current (Isc)     | 15.30A      | 15.35A      | 15.39A      | 15.44A      | 15.49A      |
| Open Circuit Voltage (Voc)      | 43.72V      | 43.91V      | 44.10V      | 44.29V      | 44.48V      |

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

### Mechanical Characteristics

|              |   |
|--------------|---|
| Cell Type    | Mono N-Type,132(6×22) Half-Cut cells            |
| Glass        | 3.2mm,High Transmission,Low Iron,Tempered glass |
| Frame        | Anodized Aluminum Alloy                         |
| Junction Box | IP68 Rated                                      |
| Dimension    | 2384x1303x33mm                                  |
| Output Cable | 4mm2(EU),+200mm,-300mm or Customized            |
| Weight       | 33.5kg  |
| Connector    | MC4 Compatible                                  |

### Packing Information

|                       |        |
|-----------------------|--------|
| Container             | 40' HQ |
| Pallets per Container | 18     |
| Pieces per Container  | 594    |

### 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 | 35A         |

