Jupiter 9

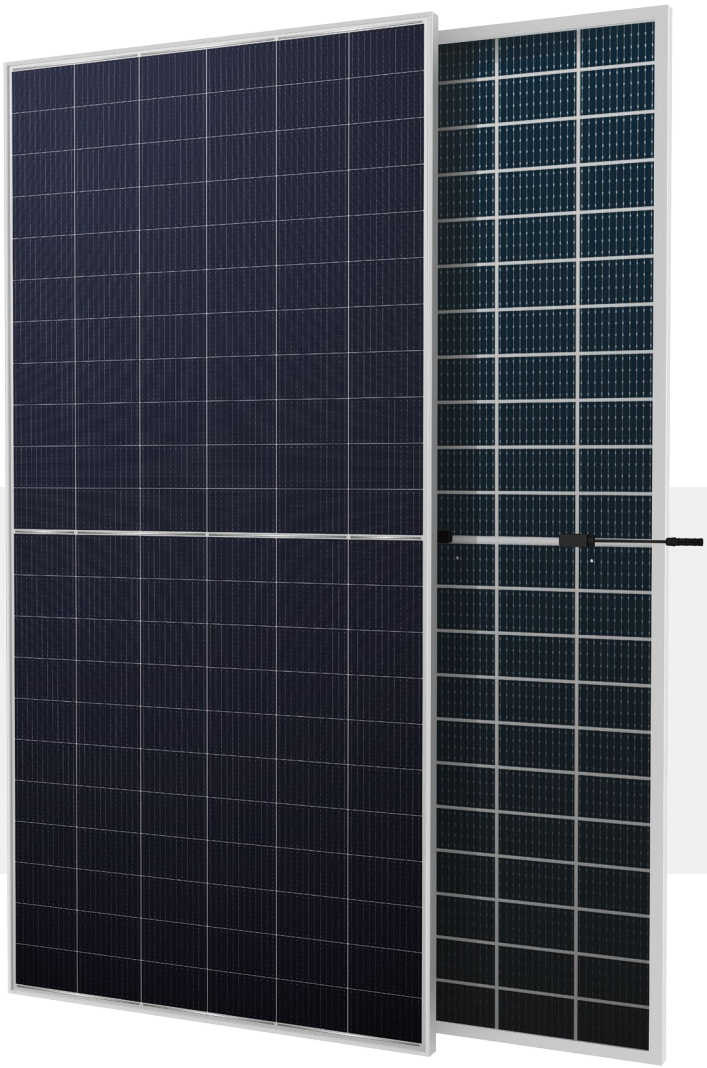
ReneSola

BIFACIAL MODULE WITH DUAL GLASS

RS9-670~695NBG-E1

N-Type /Positive power tolerance of 0~+3%/Max module efficiency 22.37%

- 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
  ·0.4% linear Power decline
- High module quality ensures long-term reliability
  · Strict selected material ·Advanced technology ·Leading standard
- Ultra-hydrophilic self-cleaning coating techniques

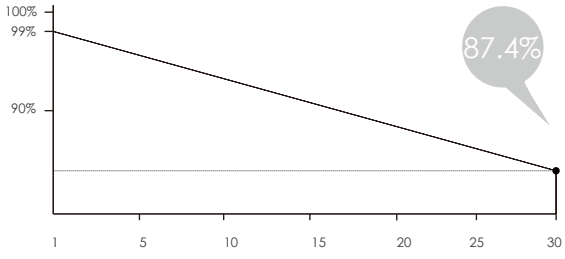


Complete System and IEC Product Certification

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

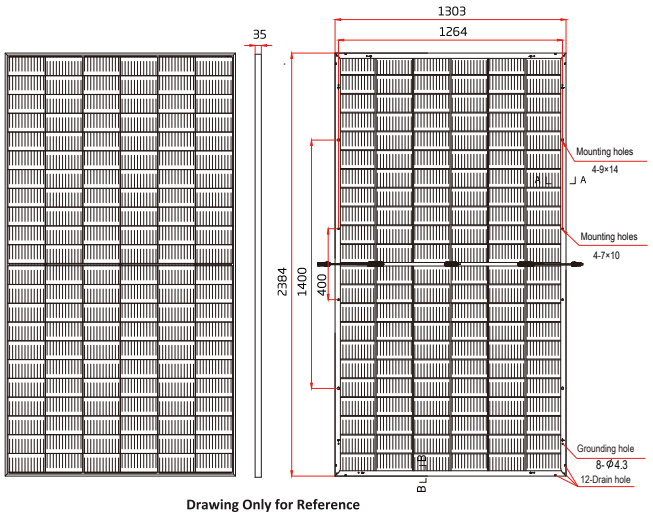


30-Year excess linear power output warranty

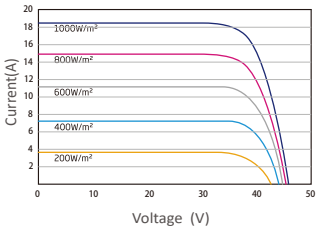
Jupiter 9

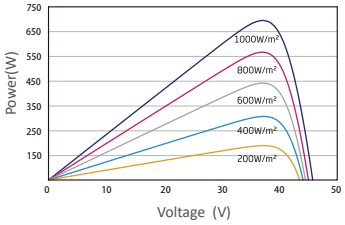
RS9-670~695NBG-E1

BIFACIAL MODULE WITH DUAL GLASS



Drawing Only for Reference





Electrical Characteristics STC	RS9-670NBG-E1	RS9-675NBG-E1	RS9-680NBG-E1	RS9-685NBG-E1	RS9-690NBG-E1	RS9-695NBG-E1
Maximum Power (Pmax)	670W	675W	680W	685W	690W	695W
Power Tolerance	0~+5W	0~+5W	0~+5W	0~+5W	0~+5W	0~+5W
Module Efficiency	21.57%	21.73%	21.89%	22.05%	22.21%	22.37%
Maximum Power Current (Imp)	17.74A	17.78A	17.82A	17.86A	17.89A	17.93A
Maximum Power Voltage (Vmp)	37.76V	37.96V	38.16V	38.36V	38.56V	38.77V
Short Circuit Current (Isc)	18.44A	18.50A	18.55A	18.61A	18.66A	18.72A
Open Circuit Voltage (Voc)	46.41V	46.61V	46.81V	47.01V	47.22V	47.42V

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

Electrical Characteristics NOCT	RS9-670NBG-E1	RS9-675NBG-E1	RS9-680NBG-E1	RS9-685NBG-E1	RS9-690NBG-E1	RS9-695NBG-E1
Maximum Power (Pmax)	507W	510W	514W	518W	522W	525W
Maximum Power Current (Imp)	14.42A	14.45A	14.49A	14.52A	14.55A	14.57A
Maximum Power Voltage (Vmp)	35.12V	35.30V	35.49V	35.68V	35.86V	36.05V
Short Circuit Current (Isc)	15.16A	15.21A	15.26A	15.30A	15.35A	15.39A
Open Circuit Voltage (Voc)	43.16V	43.35V	43.53V	43.72V	43.91V	44.10V

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

Electrical Characteristics with 21% rear side power gain	RS9-670NBG-E1	RS9-675NBG-E1	RS9-680NBG-E1	RS9-685NBG-E1	RS9-690NBG-E1	RS9-695NBG-E1
Maximum Power (Pmax)	810.7W	816.8W	822.8W	828.9W	834.9W	840.9W
Maximum Power Current (Imp)	21.47A	21.52A	21.56A	21.61A	21.65A	21.69A
Maximum Power Voltage (Vmp)	37.76V	37.96V	38.16V	38.36V	38.56V	38.77V
Short Circuit Current (Isc)	22.31A	22.38A	22.45A	22.52A	22.58A	22.65A
Open Circuit Voltage (Voc)	46.41V	46.61V	46.81V	47.01V	47.22V	47.42V

Mechanical Characteristics	
Cell Type	Mono N-Type, 210x210(±1)mm, 132(6x22)Half-Cut cells
Glass	2mm+2mm, High Transmission, Low Iron, Tempered Glass
Frame	Anodized Aluminum Alloy
Juction Box	IP68 Rated, With Bypass Diodes
Dimension	2384×1303×35mm
Output Cable	4 mm2 (EU),300 mm,length can be customized
Weight	38.7kg
Installation Hole Location	See Drawing Above

Characteristics	
Temperature Coefficient of Voc	-0.26%/℃
Temperature Coefficient of Isc	+0.046%/℃
Temperature Coefficient of Pmax	-0.31%/℃
Nominal Operating Cell Temperature (NOCT)	45℃±2℃

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.

Packing Information	
Container	40' HQ
Pallets per Container	18
Pieces per Container	558

Maximum Ratings	
Operating Temperature	-40℃~+85℃
Maximum System Voltage	1500VDC
Maximum Series Fuse Rating	35A