

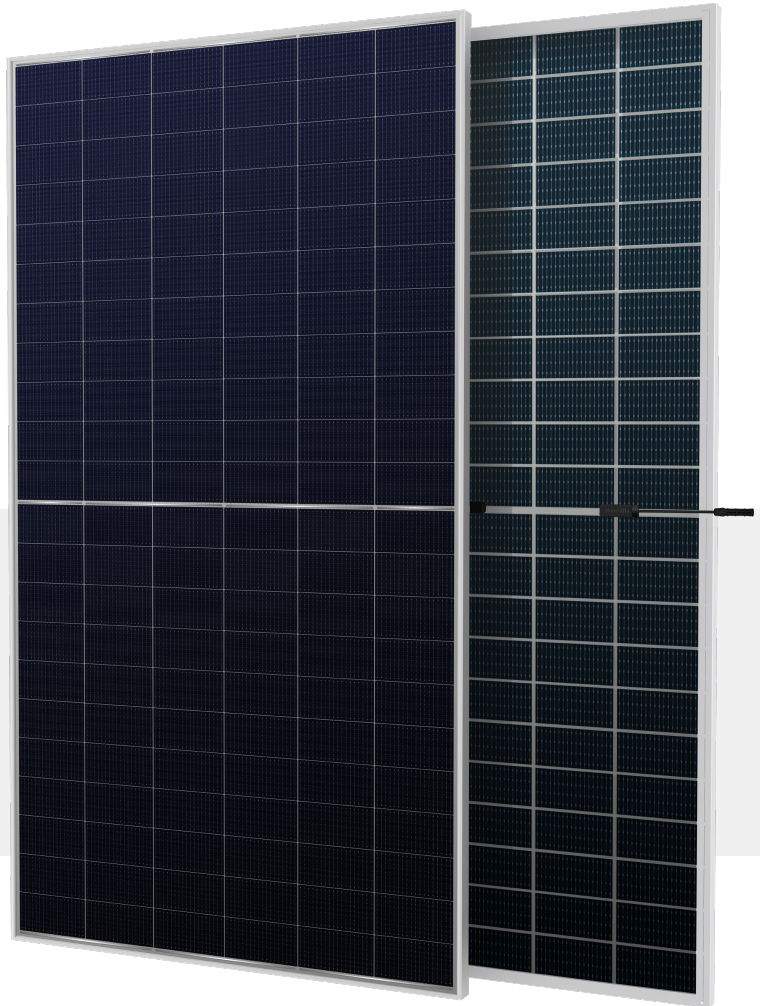
BIFACIAL MODULE WITH DUAL GLASS

RS9-685~710NBG-E1



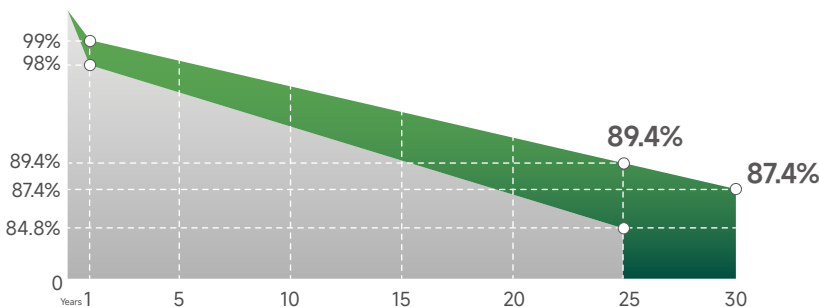
N-Type /Positive power tolerance of 0~+3%/Max module efficiency 22.86%

- 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
 - 0.40% 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

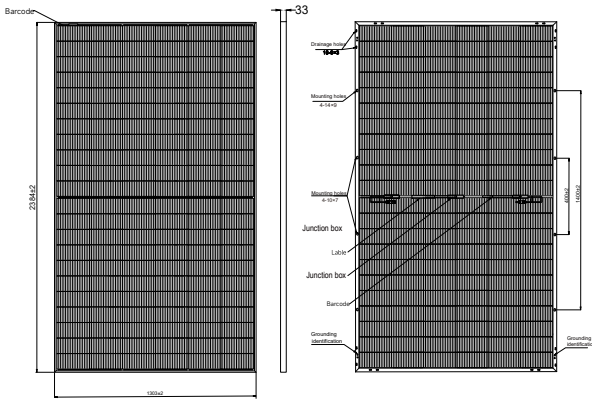


30-Year excess linear power output warranty

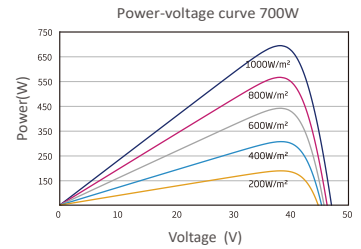
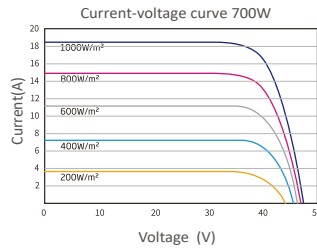


RS9-685~710NBG-E1

BIFACIAL MODULE WITH DUAL GLASS



Drawing Only for Reference



Electrical Characteristics STC	RS9-685NBG-E1	RS9-690NBG-E1	RS9-695NBG-E1	RS9-700NBG-E1	RS9-705NBG-E1	RS9-710NBG-E1
Maximum Power (Pmax)	685W	690W	695W	700W	705W	710W
Power Tolerance	0~+5W	0~+5W	0~+5W	0~+5W	0~+5W	0~+5W
Module Efficiency	22.05%	22.21%	22.37%	22.53%	22.70%	22.86%
Maximum Power Current (Imp)	17.19A	17.23A	17.25A	17.29A	17.33A	17.36A
Maximum Power Voltage (Vmp)	39.80V	40.10V	40.30V	40.50V	40.70V	40.90V
Short Circuit Current (Isc)	18.21A	18.25A	18.28A	18.32A	18.36A	18.40A
Open Circuit Voltage (Voc)	47.70V	47.90V	48.30V	48.60V	48.80V	49.00V

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

Electrical Characteristics NOCT	RS9-685NBG-E1	RS9-690NBG-E1	RS9-695NBG-E1	RS9-700NBG-E1	RS9-705NBG-E1	RS9-710NBG-E1
Maximum Power (Pmax)	521W	526W	530W	534W	538W	542W
Maximum Power Current (Imp)	13.94A	13.96A	14.02A	14.05A	14.08A	14.12A
Maximum Power Voltage (Vmp)	37.30V	37.70V	37.80V	38.00V	38.20V	38.40V
Short Circuit Current (Isc)	14.67A	14.71A	14.73A	14.76A	14.80A	14.83A
Open Circuit Voltage (Voc)	45.20V	45.40V	45.80V	46.00V	46.20V	46.40V

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

Electrical Characteristics with 10% rear side power gain	RS9-685NBG-E1	RS9-690NBG-E1	RS9-695NBG-E1	RS9-700NBG-E1	RS9-705NBG-E1	RS9-710NBG-E1
Maximum Power (Pmax)	754W	759W	765W	770W	776W	781W
Maximum Power Current (Imp)	18.91A	18.95A	18.98A	19.02A	19.06A	19.10A
Maximum Power Voltage (Vmp)	39.80V	40.10V	40.30V	40.50V	40.70V	40.90V
Short Circuit Current (Isc)	20.03A	20.08A	20.11A	20.15A	20.20A	20.24A
Open Circuit Voltage (Voc)	47.70V	47.90V	48.30V	48.60V	48.80V	49.00V

Mechanical Characteristics

Cell Type	Mono N-Type,132(6×22) Half-Cut cells
Glass	2mm+2mm,High Transmission,Low Iron,Semi-Tempered glass
Frame	Anodized Aluminum Alloy
Junction Box	IP68 Rated
Dimension	2384x1303x33mm
Output Cable	4mm2(EU),300mm,length can be customized
Weight	38.7kg
Connector	MC4 Compatible

Packing Information

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

Characteristics

Temperature Coefficient of Voc	-0.24%/°C
Temperature Coefficient of Isc	+0.04%/°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

