

BIFACIAL MODULE WITH DUAL GLASS

RS9-685~700NBG-E1

N-Type /Positive power tolerance of 0~+3%/Max module efficiency 22.53%

- 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

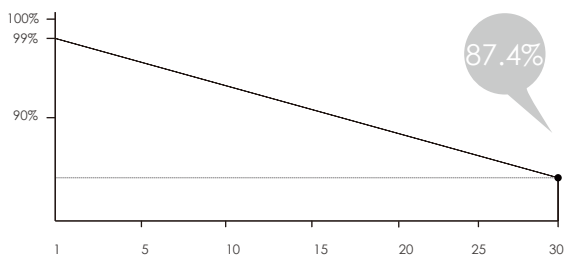


Complete System and IEC Product Certification

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

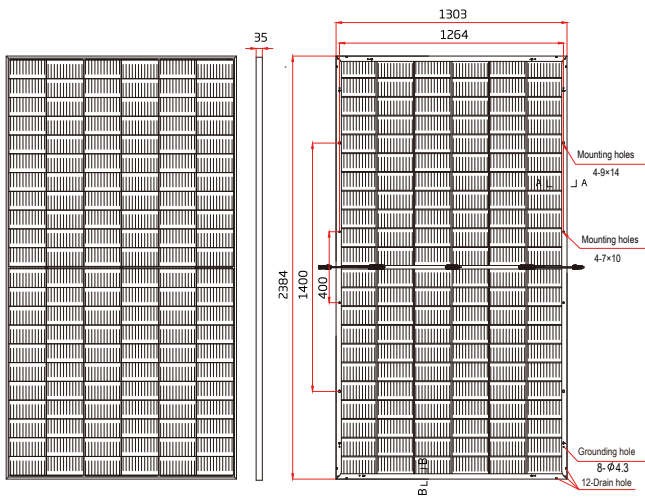


30-Year excess linear power output warranty

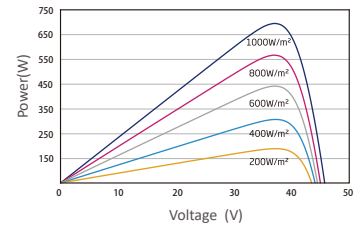
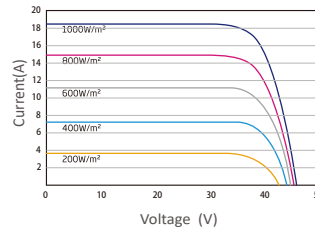


RS9-685~700NBG-E1

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Drawing Only for Reference



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

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

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

NMOT(Nominal module operating temperature) , Irradiance of 800W/m, AM1.5, Ambient Temperature 20 °C, wind Speed 1m/s.

Electrical Characteristics with 21% rear side power gain	RS9-685NBG-E1	RS9-690NBG-E1	RS9-695NBG-E1	RS9-700NBG-E1
Maximum Power (Pmax)	828.9W	834.9W	840.9W	847.0W
Maximum Power Current (Imp)	21.61A	21.65A	21.69A	21.74A
Maximum Power Voltage (Vmp)	38.36V	38.56V	38.77V	38.97V
Short Circuit Current (Isc)	22.52A	22.58A	22.65A	22.71A
Open Circuit Voltage (Voc)	47.01V	47.22V	47.42V	47.63V

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
Junction Box	1P68 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

Packing Information

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

Characteristics

Temperature Coefficient of Voc	-0.26%/°C
Temperature Coefficient of Isc	+0.046%/°C
Temperature Coefficient of Pmax	-0.32%/°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

