

BIFACIAL MODULE WITH DUAL GLASS

RS6-570~585NBG-E3

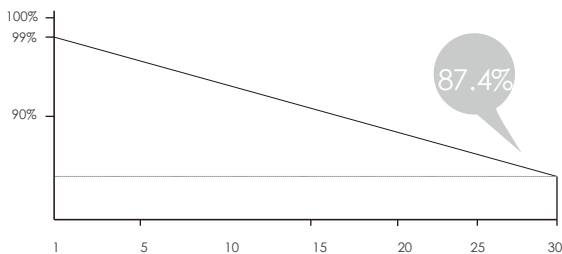
N-Type /power tolerance of $\pm 3\%$ /Max module efficiency 22.65%

- 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 low irradiation performance · Lower temperature coefficient
 - 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



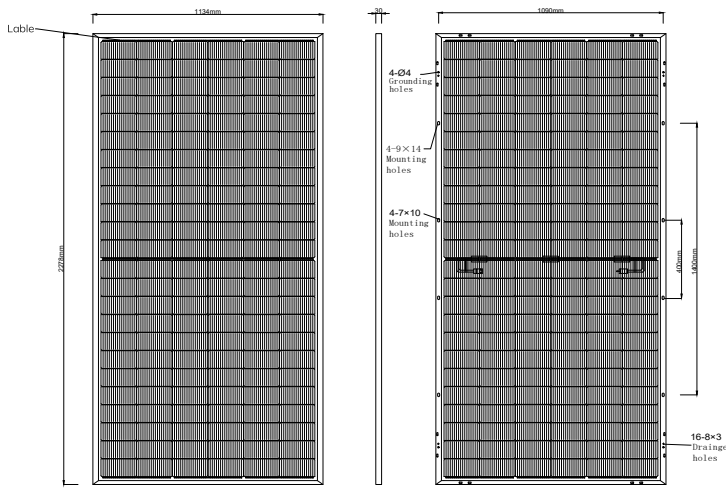
Complete System and IEC Product Certification

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



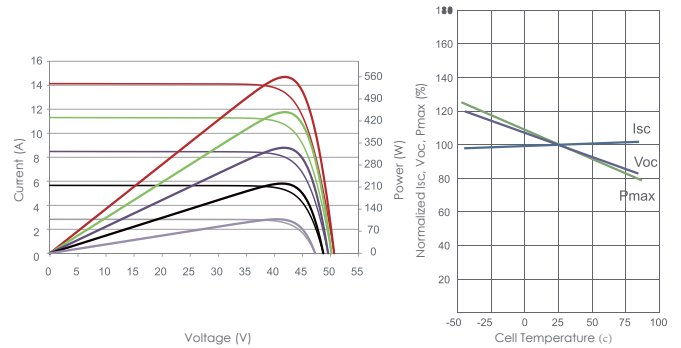
30-Year excess linear power output warranty





Drawing Only for Reference

RS6-570~585NBG-E3



Electrical Characteristics STC	RS6-570NBG-E3	RS6-575NBG-E3	RS6-580NBG-E3	RS6-585NBG-E3
Maximum Power (Pmax)	570W	575W	580W	585W
Power Tolerance	±3%	±3%	±3%	±3%
Module Efficiency	22.07%	22.26%	22.50%	22.65%
Maximum Power Current (Imp)	13.08A	13.15A	13.22A	13.29A
Maximum Power Voltage (Vmp)	43.58V	43.73V	43.88V	44.02V
Short Circuit Current (Isc)	13.83A	13.89A	13.95A	14.01A
Open Circuit Voltage (Voc)	52.10V	52.30V	52.50V	52.70V

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

Electrical Characteristics NOCT	RS6-570NBG-E3	RS6-575NBG-E3	RS6-580NBG-E3	RS6-585NBG-E3
Maximum Power (Pmax)	430W	433W	437W	441W
Maximum Power Current (Imp)	10.59A	10.64A	10.69A	10.74A
Maximum Power Voltage (Vmp)	40.56V	40.73V	40.89V	41.05V
Short Circuit Current (Isc)	11.16A	11.21A	11.26A	11.31A
Open Circuit Voltage (Voc)	39.60V	39.75V	39.90V	40.05V

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

Electrical Characteristics with 21% rear side power gain	RS6-570NBG-E3	RS6-575NBG-E3	RS6-580NBG-E3	RS6-585NBG-E3
Maximum Power (Pmax)	690W	696W	702W	708W
Maximum Power Current (Imp)	15.82A	15.91A	16.00A	16.08A
Maximum Power Voltage (Vmp)	43.58V	43.73V	43.88V	44.02V
Short Circuit Current (Isc)	16.73A	16.80A	16.88A	16.95A
Open Circuit Voltage (Voc)	52.10V	52.30V	52.50V	52.70V

Mechanical Characteristics

Cell Type	Monocrystalline-Type, 182x182(±1)mm, 144(6x24)Half-Cut cells
Glass	2mm+2mm, High Transmission, Low Iron, Tempered Glass
Frame	Anodized Aluminum Alloy
Junction Box	IP68 Rated
Dimension	2278x1134x30mm
Output Cable	4 mm² (EU), 300 mm, length can be customized
Weight	32.1 kg
Connector	MC4 compatible

Packing Information

Container	40' HQ
Pallets per Container	20
Pieces per Container	720

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)	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	30A

