

BIFACIAL MODULE WITH DUAL GLASS

# RS6-565~585N BG-E3

N-Type /Positive power tolerance of 0~+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

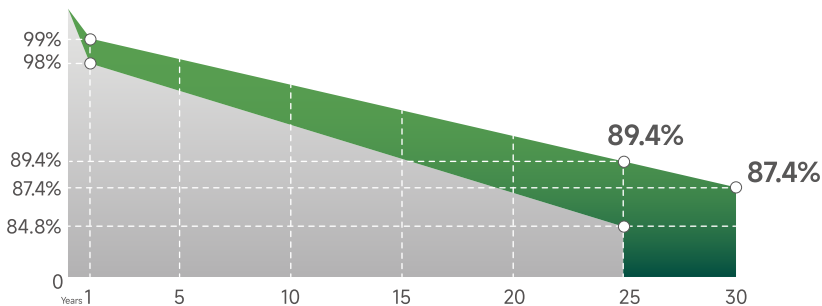


Complete System and IEC Product Certification

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

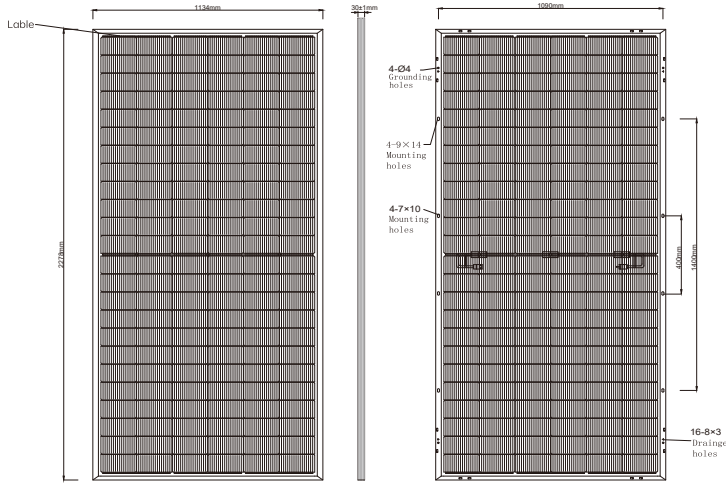
**15 -Year** ◀◀  
Material & Workmanship

**30 -Year** ◀◀  
Linear Power Output



30-Year Excess Linear Power Output Warranty



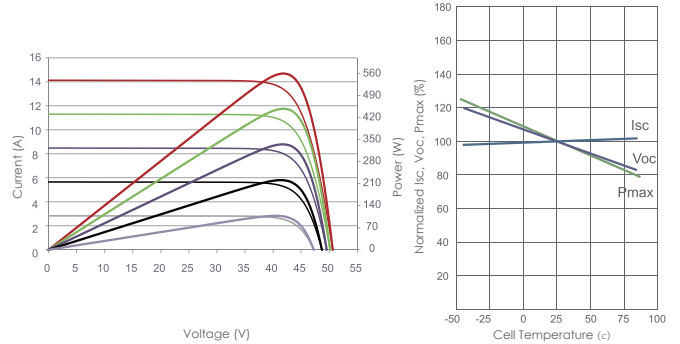


Drawing Only for Reference

# ReNe 2N

## RS6-565~585NBG-E3

BIFACIAL MODULE WITH DUAL GLASS



Electrical Characteristics STC	RS6-565NBG-E3	RS6-570NBG-E3	RS6-575NBG-E3	RS6-580NBG-E3	RS6-585NBG-E3
Maximum Power (Pmax)	565W	570W	575W	580W	585W
Power Tolerance	0~+5W	0~+5W	0~+5W	0~+5W	0~+5W
Module Efficiency	21.87%	22.07%	22.26%	22.45%	22.65%
Maximum Power Current (Imp)	13.01A	13.08A	13.15A	13.22A	13.29A
Maximum Power Voltage (Vmp)	43.42V	43.58V	43.73V	43.88V	44.02V
Short Circuit Current (Isc)	13.77A	13.83A	13.89A	13.95A	14.01A
Open Circuit Voltage (Voc)	51.90V	52.10V	52.30V	52.50V	52.70V

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

Electrical Characteristics NOCT	RS6-565NBG-E3	RS6-570NBG-E3	RS6-575NBG-E3	RS6-580NBG-E3	RS6-585NBG-E3
Maximum Power (Pmax)	428W	432W	436W	440W	444W
Maximum Power Current (Imp)	10.61A	10.65A	10.70A	10.75A	10.80A
Maximum Power Voltage (Vmp)	40.34V	40.56V	40.75V	40.93V	41.11V
Short Circuit Current (Isc)	11.23A	11.28A	11.33A	11.38A	11.43A
Open Circuit Voltage (Voc)	49.05V	49.29V	49.53V	49.76V	49.99V

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

Electrical Characteristics with 21% rear side power gain	RS6-565NBG-E3	RS6-570NBG-E3	RS6-575NBG-E3	RS6-580NBG-E3	RS6-585NBG-E3
Maximum Power (Pmax)	683.65W	689.70W	696.75W	701.80W	707.85W
Maximum Power Current (Imp)	15.75A	15.83A	15.91A	15.99A	16.08A
Maximum Power Voltage (Vmp)	43.42V	43.58V	43.73V	43.88V	44.02V
Short Circuit Current (Isc)	16.66A	16.73A	16.81A	16.88A	16.95A
Open Circuit Voltage (Voc)	51.90V	52.10V	52.30V	52.50V	52.70V

### Mechanical Characteristics

Cell Type	MonoN-Type,182×182(±1)mm,144(6×24)Half-Cut cells
Glass	2mm+2mm,High Transmission,Low Iron, Tempered Glass
Frame	Zinc aluminum magnesium coated steel frame
Junction Box	IP68 Rated
Dimension	2278×1134×30mm
Output Cable	4 mm2 (EU),300 mm,length can be customized
Weight	32.2kg
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



Note: Please read the safety and installation instructions before using this product  
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 web: www.renesola-energy.com  
 Version number:RS-T6-014-A

