

BIFACIAL MODULE WITH DUAL GLASS

RS6-560~580NBG-E3

N-Type /Positive power tolerance of 0~+3%/Max module efficiency 22.45%

- 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

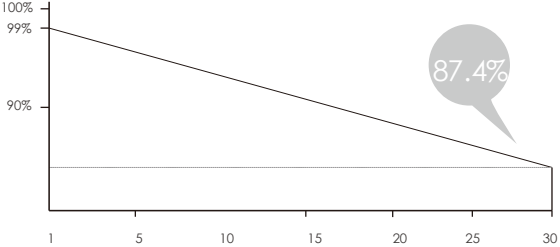


Complete System and IEC Product Certification

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

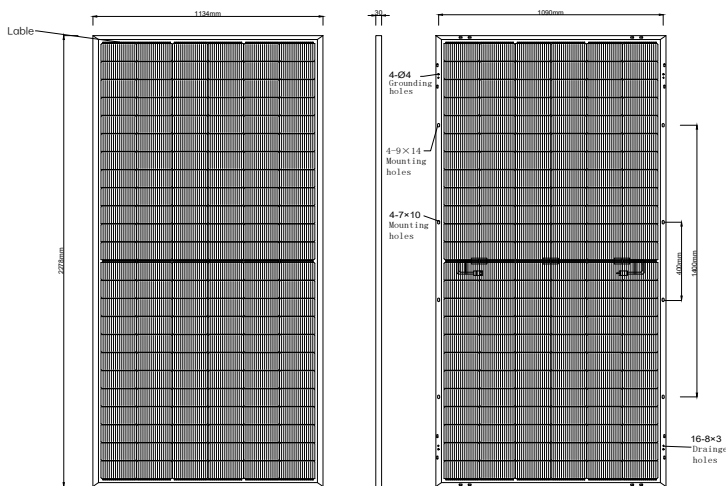
12-year ◀◀
Material & Workmanship

30-year ◀◀
Linear Power Output



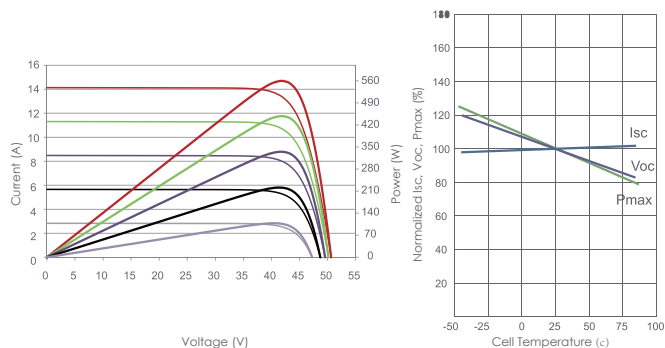
30-Year excess linear power output warranty





Drawing Only for Reference

RS6-560~580NBG-E3



Electrical Characteristics STC	RS6-560NBG-E3	RS6-565NBG-E3	RS6-570NBG-E3	RS6-575NBG-E3	RS6-580NBG-E3
Maximum Power (Pmax)	560W	565W	570W	575W	580W
Power Tolerance	0~+5W	0~+5W	0~+5W	0~+5W	0~+5W
Module Efficiency	21.68%	21.87%	22.07%	22.26%	22.45%
Maximum Power Current (Imp)	13.16A	13.21A	13.27A	13.32A	13.38A
Maximum Power Voltage (Vmp)	42.55V	42.77V	42.95V	43.17V	43.35V
Short Circuit Current (Isc)	13.93A	13.99A	14.05A	14.11A	14.17A
Open Circuit Voltage (Voc)	51.02V	51.25V	51.48V	51.71V	51.94V

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

Electrical Characteristics NOCT	RS6-560NBG-E3	RS6-565NBG-E3	RS6-570NBG-E3	RS6-575NBG-E3	RS6-580NBG-E3
Maximum Power (Pmax)	424W	428W	432W	436W	440W
Maximum Power Current (Imp)	10.61A	10.65A	10.70A	10.74A	10.79A
Maximum Power Voltage (Vmp)	39.96V	40.19V	40.37V	40.60V	40.78V
Short Circuit Current (Isc)	11.23A	11.28A	11.33A	11.38A	11.42A
Open Circuit Voltage (Voc)	48.59V	48.83V	49.07V	49.31V	49.59V

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

Electrical Characteristics with 21% rear side power gain	RS6-560NBG-E3	RS6-565NBG-E3	RS6-570NBG-E3	RS6-575NBG-E3	RS6-580NBG-E3
Maximum Power (Pmax)	678W	684W	690W	696W	702W
Maximum Power Current (Imp)	15.92A	15.98A	16.06A	16.12A	16.19A
Maximum Power Voltage (Vmp)	42.55V	42.77V	42.95V	43.17V	43.35V
Short Circuit Current (Isc)	16.86A	16.93A	17.00A	17.07A	17.15A
Open Circuit Voltage (Voc)	51.02V	51.25V	51.48V	51.71V	51.94V

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 mm ² (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	-0.26%/°C
Temperature Coefficient of Isc	+0.046%/°C
Temperature Coefficient of Pmax	-0.31%/°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

