Rene 2 N

ReneSola

BIFACIAL MODULE WITH DUAL GLASS

RS7-630~650NBG-E2

TIER 1 BloombergNEF

N-Type /Positive power tolerance of 0~+3%/Max module efficiency 23.25%

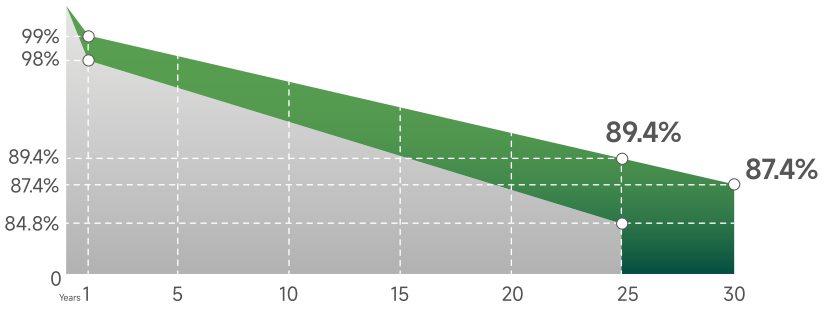
- Suitable for ground power plants and distributed projects
- Advanced module technology delivers superior module efficiency
  ·Non destructive cutting ·MBB half-cut
- Excellent power generation performance
  ·Excellent IAM and low irradiation performance ·Lower temperature coefficient
  ·0.40% linear Power decline
- High module quality ensures long-term reliability
  ·Strict selected material ·Advanced technology ·Leading standard
- Ultra-hydrophilic self-cleaning coating techniques
- Enhanced Mechanical Load
  · Mechanical performance up to5400pa 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

15 -Year Material & Workmanship

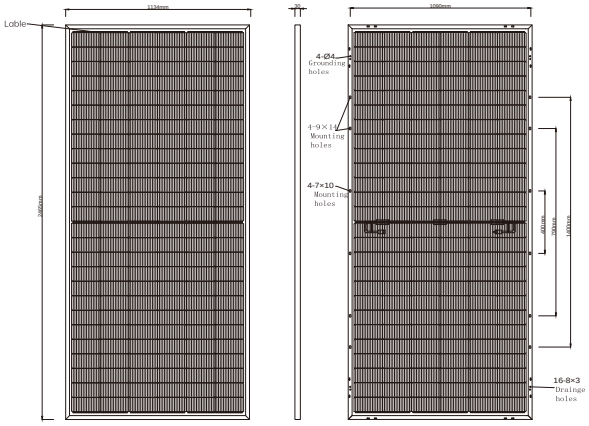
30 -Year Linear Power Output

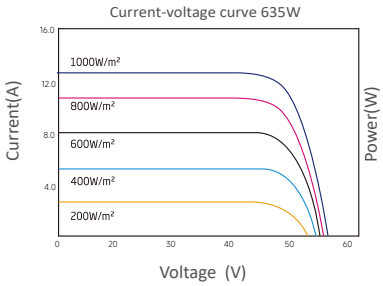


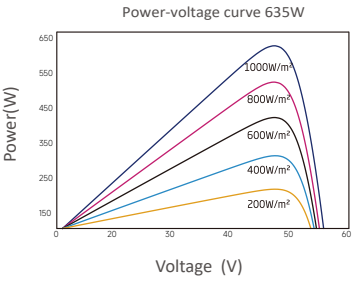
30-Year Excess Linear Power Output Warranty

RS7-630~650NBG-E2

BIFACIAL MODULE WITH DUAL GLASS







Electrical Characteristics STC	RS7-630NBG-E2	RS7-635NBG-E2	RS7-640NBG-E2	RS7-645NBG-E2	RS7-650NBG-E2
Maximum Power (Pmax)	630W	635W	640W	645W	650W
Power Tolerance	0~+5W	0~+5W	0~+5W	0~+5W	0~+5W
Module Efficiency	22.54%	22.72%	22.90%	23.07%	23.25%
Maximum Power Current (Imp)	13.21A	13.27A	13.33A	13.39A	13.45A
Maximum Power Voltage (Vmp)	47.70V	47.86V	48.02V	48.17V	48.33V
Short Circuit Current (Isc)	13.86A	13.92A	13.98A	14.04A	14.10A
Open Circuit Voltage (Voc)	57.63V	57.76V	57.89V	58.02V	58.15V

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

Electrical Characteristics NOCT	RS7-630NBG-E2	RS7-635NBG-E2	RS7-640NBG-E2	RS7-645NBG-E2	RS7-650NBG-E2
Maximum Power (Pmax)	473W	477W	481W	485W	488W
Maximum Power Current (Imp)	10.67A	10.72A	10.77A	10.82A	10.86A
Maximum Power Voltage (Vmp)	44.36V	44.51V	44.66V	44.80V	44.95V
Short Circuit Current (Isc)	11.29A	11.35A	11.41A	11.48A	11.54A
Open Circuit Voltage (Voc)	54.17V	54.29V	54.42V	54.54V	54.66V

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

Electrical Characteristics with 10% rear side power gain	RS7-630NBG-E2	RS7-635NBG-E2	RS7-640NBG-E2	RS7-645NBG-E2	RS7-650NBG-E2
Maximum Power (Pmax)	693W	699W	704W	710W	715W
Maximum Power Current (Imp)	14.53A	14.59A	14.66A	14.73A	14.79A
Maximum Power Voltage (Vmp)	47.70V	47.86V	48.02V	48.17V	48.33V
Short Circuit Current (Isc)	15.25A	15.31A	15.38A	15.44A	15.51A
Open Circuit Voltage (Voc)	57.63V	57.76V	57.89V	58.02V	58.15V

Mechanical Characteristics	
Cell Type	Mono N-Type,156(6×26) Half-Cut cells
Glass	2mm+2mm,High Transmission,Low Iron,Semi-tempered glass
Frame	Anodized Aluminum Alloy
Juction Box	IP68 Rated
Dimension	2465x1134x30mm
Output Cable	4mm2(EU),300mm,length can be customized
Weight	35kg
Connector	MC4 Compatible

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)	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.

Packing Information	
Container	40' HQ
Pallets per Container	16
Pieces per Container	592

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

web: www.renesola-energy.com
Version number:RS-T7-02-B-EN