Rene 3 N

ReneSola

BIFACIAL MODULE WITH DUAL GLASS

RS8-635~655NBG-E1

N-Type /Positive power tolerance of 0~+3%/Max module efficiency 23.14%

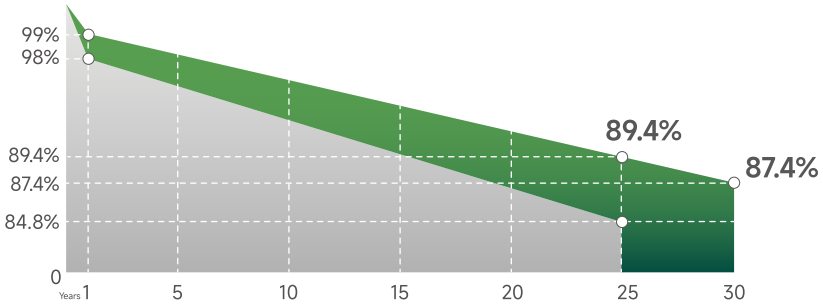
- Suitable for ground power plants and distributed projects
- Advanced module technology delivers superior module efficiency
  ·Non destructive cutting ·MBB half-cut
- Excellent power generation performance
  ·Excellent IAM and low irradiation performance ·Lower temperature coefficient
  ·0.4% linear Power decline
- High module quality ensures long-term reliability
  · Strict selected material ·Advanced technology ·Leading standard
- Enhanced Mechanical Load
  · Mechanical performance up to5400pa positive load and 2400pa negative load

Complete System and IEC Product Certification

IEC61215,IEC61730,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

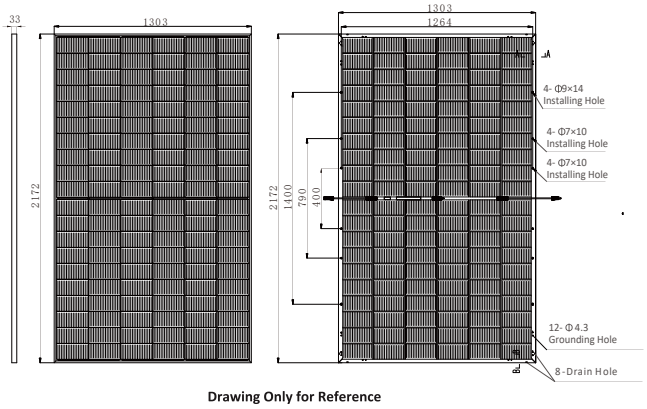


30-Year Excess Linear Power Output Warranty

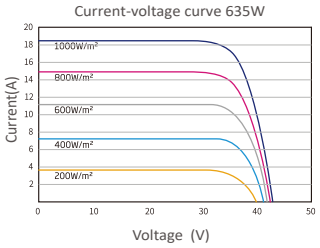
BLOOMBERG TIER 1 Global Leading Brand

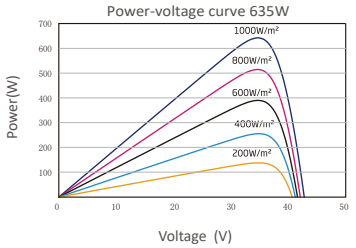
RS8-635~655NBG-E1

BIFACIAL MODULE WITH DUAL GLASS



Drawing Only for Reference





Electrical Characteristics STC	RS8-635NBG-E1	RS8-640NBG-E1	RS8-645NBG-E1	RS8-650NBG-E1	RS8-655NBG-E1
Maximum Power (Pmax)	635W	640W	645W	650W	655W
Power Tolerance	0~+5W	0~+5W	0~+5W	0~+5W	0~+5W
Module Efficiency	22.44%	22.61%	22.79%	22.97%	23.14%
Maximum Power Current (Imp)	17.26A	17.30A	17.34A	17.38A	17.42A
Maximum Power Voltage (Vmp)	36.80V	37.00V	37.20V	37.40V	37.60V
Short Circuit Current (Isc)	18.27A	18.30A	18.33A	18.36A	18.39A
Open Circuit Voltage (Voc)	44.20V	44.50V	44.80V	45.10V	45.40V

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

Electrical Characteristics BNPI	RS8-635NBG-E1	RS8-640NBG-E1	RS8-645NBG-E1	RS8-650NBG-E1	RS8-655NBG-E1
Maximum Power (Pmax)	704W	709W	715W	720W	726W
Maximum Power Current (Imp)	19.12A	19.17A	19.21A	19.26A	19.30A
Maximum Power Voltage (Vmp)	36.80V	37.00V	37.20V	37.40V	37.60V
Short Circuit Current (Isc)	20.24A	20.28A	20.31A	20.34A	20.38A
Open Circuit Voltage (Voc)	44.20V	44.50V	44.80V	45.10V	45.40V

BNPI: Irradiance: Front 1000W/m², Rear 135W/m², Ambient Temperature 25°C, AM=1.5, Power Bifaciality:80±5%.

Electrical Characteristics rear side power gain	RS8-635NBG-E1		RS8-640NBG-E1		RS8-645NBG-E1		RS8-650NBG-E1		RS8-655NBG-E1	
Backside Power Gain	5%	10%	5%	10%	5%	10%	5%	10%	5%	10%
Maximum Power (Pmax)	667W	699W	672W	704W	677W	710W	683W	715W	688W	721W
Maximum Power Current (Imp)	18.12A	18.98A	18.16A	19.03A	18.21A	19.07A	18.25A	19.12A	18.29A	19.16A
Maximum Power Voltage (Vmp)	36.80V	36.80V	37.00V	37.00V	37.20V	37.20V	37.40V	37.40V	37.60V	37.60V
Short Circuit Current (Isc)	19.18A	20.10A	19.22A	20.13A	19.25A	22.16A	19.28A	20.20A	19.31A	20.23A
Open Circuit Voltage (Voc)	44.20V	44.20V	44.50V	44.50V	44.80V	44.80V	45.10V	45.10V	45.40V	45.40V

Mechanical Characteristics

Cell Type	Mono N-Type ,120(6x20)Half-Cut cells
Glass	2mm+2mm,High Transmission,Low Iron,Semi-Tempered glass
Frame	Anodized Aluminum Alloy
Juction Box	IP68 Rated
Dimension	2172×1303×33 mm
Output Cable	4mm2(EU),+200mm,-300mm or Customized
Weight	35.3kg
Connector	MC4 Compatible

Characteristics

Temperature Coefficient of Voc	-0.24%/°C
Temperature Coefficient of Isc	+0.04%/°C
Temperature Coefficient of Pmax	-0.29%/°C
Nominal Operating Cell Temperature (NOCT)	43±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.

Packing Information

Container	40' HQ
Pallets per Container	18
Pieces per Container	594

Maximum Ratings

Operating Temperature	-40°C~+85°C
Maximum System Voltage	1500VDC
Maximum Series Fuse Rating	35A

Note: Please read the safety and installation instructions before using this product

web: www.renesola-energy.com

Version number:RS-T8-04-B-EN