

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 to 5400pa positive load and 2400pa negative load

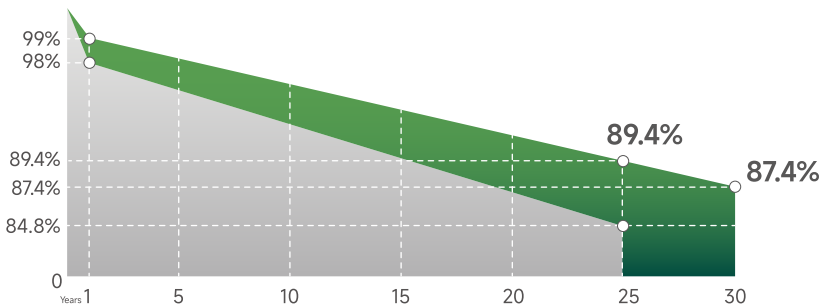


Complete System and IEC Product Certification

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



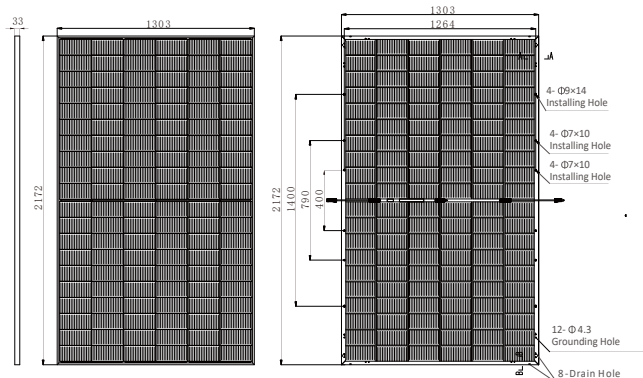
30-Year Excess Linear Power Output Warranty

BLOOMBERG
TIER 1
Global
Leading Brand

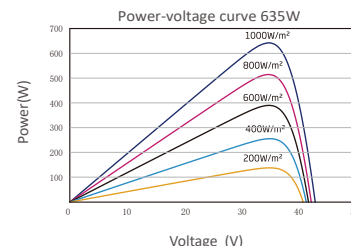
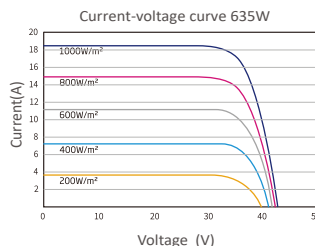


RS8-635~655NBG-E1

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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 NOCT	RS8-635NBG-E1	RS8-640NBG-E1	RS8-645NBG-E1	RS8-650NBG-E1	RS8-655NBG-E1
Maximum Power (Pmax)	477W	481W	485W	488W	492W
Maximum Power Current (Imp)	13.94A	13.97A	14.01A	14.04A	14.07A
Maximum Power Voltage (Vmp)	34.22V	34.41V	34.60V	34.78V	34.97V
Short Circuit Current (Isc)	14.83A	14.85A	14.87A	14.88A	14.90A
Open Circuit Voltage (Voc)	41.55V	41.83V	42.11V	42.39V	42.68V

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

Electrical Characteristics with 10% rear side power gain	RS8-635NBG-E1	RS8-640NBG-E1	RS8-645NBG-E1	RS8-650NBG-E1	RS8-655NBG-E1
Maximum Power (Pmax)	699W	704W	710W	715W	721W
Maximum Power Current (Imp)	18.98A	19.03A	19.07A	19.12A	19.16A
Maximum Power Voltage (Vmp)	36.80V	37.00V	37.20V	37.40V	37.60V
Short Circuit Current (Isc)	20.10A	20.13A	22.16A	20.20A	20.23A
Open Circuit Voltage (Voc)	44.20V	44.50V	44.80V	45.10V	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
Junction Box	IP68 Rated
Dimension	2172×1303×33mm
Output Cable	4mm ² (EU), +200mm,-300mm or Customized
Weight	35.3kg
Connector	MC4 Compatible

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

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.

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

