

BIFACIAL MODULE WITH DUAL GLASS

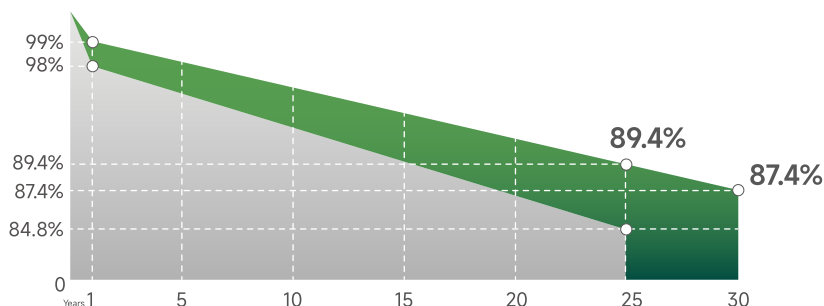
RS4H-495~515NBG-E1

N-Type /Positive power tolerance of 0~+3%/Max module efficiency 22.78%

- 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 Weak light response · Low temperature ratings
 - 0.40% 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

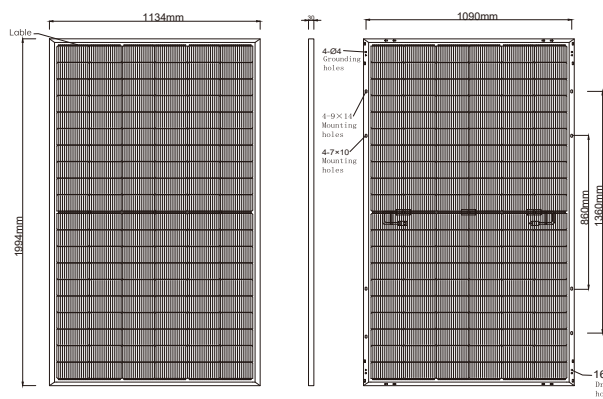
IEC61215, IEC61730, ISO9001:
2015: Quality Management System ISO14001:
2015: Environment Management System
ISO45001: 2018: Occupational Health
and Safety Management System



30-Year Excess Linear Power Output Warranty

BLOOMBERG
TIER 1
Global
Leading Brand

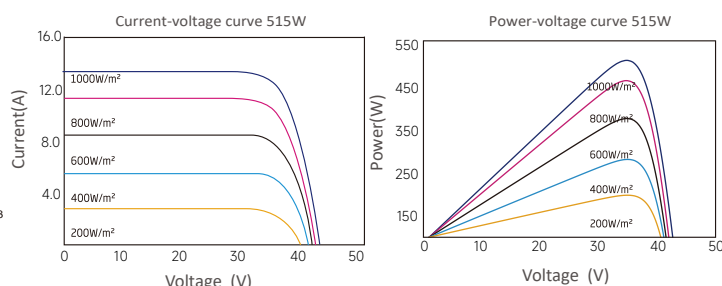




Drawing Only for Reference

RS4H-495~515NBG-E1

BIFACIAL MODULE WITH DUAL GLASS



Electrical Characteristics STC	RS4H-495NBG-E1	RS4H-500NBG-E1	RS4H-505NBG-E1	RS4H-510NBG-E1	RS4H-515NBG-E1
Maximum Power (Pmax)	495W	500W	505W	510W	515W
Power Tolerance	0~+5W	0~+5W	0~+5W	0~+5W	0~+5W
Module Efficiency	21.89%	22.11%	22.33%	22.55%	22.78%
Maximum Power Current (Imp)	13.85A	13.92A	14.00A	14.07A	14.15A
Maximum Power Voltage (Vmp)	35.81V	35.97V	36.15V	36.25V	36.40V
Short Circuit Current (Isc)	14.65A	14.71A	14.77A	14.84A	14.89A
Open Circuit Voltage (Voc)	43.09V	43.28V	43.47V	43.68V	43.89V

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

Electrical Characteristics BNPL	RS4H-495NBG-E1	RS4H-500NBG-E1	RS4H-505NBG-E1	RS4H-510NBG-E1	RS4H-515NBG-E1
Maximum Power (Pmax)	548W	554W	560W	565W	571W
Maximum Power Current (Imp)	15.35A	15.42A	15.51A	15.59A	15.68A
Maximum Power Voltage (Vmp)	35.81V	35.97V	36.15V	36.25V	36.40V
Short Circuit Current (Isc)	16.23A	16.30A	16.37A	16.44A	16.50A
Open Circuit Voltage (Voc)	43.09V	43.28V	43.47V	43.68V	43.89V

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

Electrical Characteristics rear side power gain	RS4H-495NBG-E1	RS4H-500NBG-E1	RS4H-505NBG-E1	RS4H-510NBG-E1	RS4H-515NBG-E1
Backside Power Gain	5% 10%	5% 10%	5% 10%	5% 10%	5% 10%
Maximum Power (Pmax)	520W 545W	525W 550W	530W 556W	536W 561W	541W 567W
Maximum Power Current (Imp)	14.51A 15.24A	14.60A 15.31A	14.67A 15.40A	14.77A 15.48A	14.86A 15.57A
Maximum Power Voltage (Vmp)	35.81V 35.81V	35.97V 35.97V	36.15V 36.15V	36.25V 36.25V	36.40V 36.40V
Short Circuit Current (Isc)	15.38A 16.12A	15.45A 16.18A	15.51A 16.25A	15.58A 16.32A	15.63A 16.38A
Open Circuit Voltage (Voc)	43.09V 43.09V	43.28V 43.28V	43.47V 43.47V	43.68V 43.68V	43.89V 43.89V

Mechanical Characteristics

Cell Type	Mono N-Type, 120(6×20) Half-Cut cells
Glass	2mm+2mm, High Transmission, Low Iron, Semi-tempered glass
Frame	Anodized Aluminum Alloy
Junction Box	IP68 Rated
Dimension	1994x1134x30mm
Output Cable	4mm²(EU), +200mm, -300mm or Customized
Weight	27.6kg
Connector	MC4 Compatible

Packing Information

Container	40' HQ
Pallets per Container	22
Pieces per Container	814

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.

Maximum Ratings

Operating Temperature	-40°C~+85°C
Maximum System Voltage	1500VDC
Maximum Series Fuse Rating	30A

