

BIFACIAL MODULE WITH DUAL GLASS

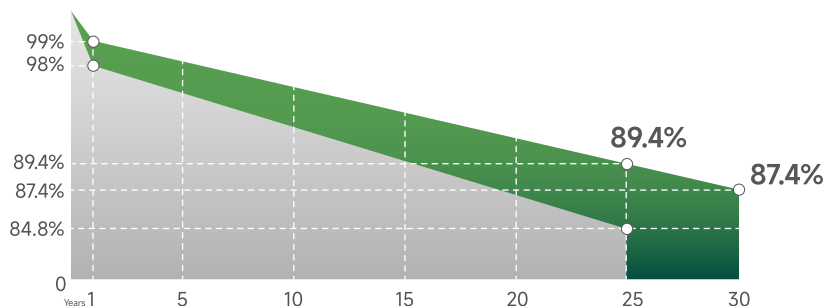
RS4-490~510NBG-E1

N-Type /Positive power tolerance of 0~+3%/Max module efficiency 23.63%

- 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
- Enhanced Mechanical Load
 - Mechanical performance up to 5400pa positive load and 2400pa negative load

Complete System
and IEC Product Certification

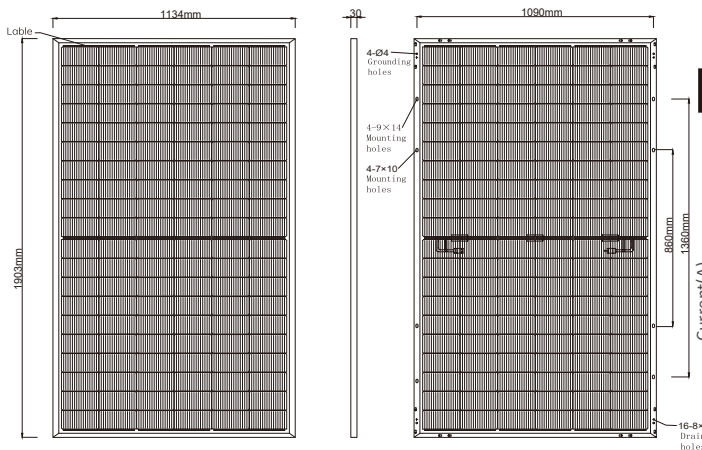
IEC 61215, IEC 61730 ISO9001:
2015: Quality Management System ISO14001:
2015: Environment Management System
ISO45001:2018: Occupational Health
and Safety Management System



30-Year Excess Linear Power Output Warranty

BLOOMBERG
TIER 1
Global
Leading Brand

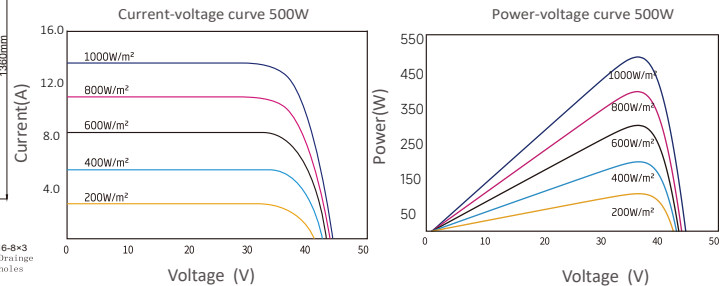




Drawing Only for Reference

RS4-490~510NBG-E1

BIFACIAL MODULE WITH DUAL GLASS



Electrical Characteristics STC	RS4-490NBG-E1	RS4-495NBG-E1	RS4-500NBG-E1	RS4-505NBG-E1	RS4-510NBG-E1
Maximum Power (Pmax)	490W	495W	500W	505W	510W
Power Tolerance	0~+5W	0~+5W	0~+5W	0~+5W	0~+5W
Module Efficiency	22.71%	22.94%	23.17%	23.40%	23.63%
Maximum Power Current (Imp)	13.31A	13.38A	13.45A	13.52A	13.59A
Maximum Power Voltage (Vmp)	36.81V	37.00V	37.17V	37.35V	37.53V
Short Circuit Current (Isc)	13.85A	13.93A	14.01A	14.09A	14.17A
Open Circuit Voltage (Voc)	44.85V	45.05V	45.25V	45.44A	45.63A

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

Electrical Characteristics BNPI	RS4-490NBG-E1	RS4-495NBG-E1	RS4-500NBG-E1	RS4-505NBG-E1	RS4-510NBG-E1
Maximum Power (Pmax)	543W	548W	554W	560W	565W
Maximum Power Current (Imp)	14.75A	14.83A	14.90A	14.98A	15.06A
Maximum Power Voltage (Vmp)	36.81V	37.00V	37.17V	37.35V	37.53V
Short Circuit Current (Isc)	15.35A	15.43A	15.52A	15.61A	15.70A
Open Circuit Voltage (Voc)	44.85V	45.05V	45.25V	45.44A	45.63A

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	RS4-490NBG-E1		RS4-495NBG-E1		RS4-500NBG-E1		RS4-505NBG-E1		RS4-510NBG-E1	
Backside Power Gain	5%	10%	5%	10%	5%	10%	5%	10%	5%	10%
Maximum Power (Pmax)	515W	539W	520W	545W	525W	550W	530W	555W	536W	561W
Maximum Power Current (Imp)	13.98A	14.64A	14.05A	14.72A	14.12A	14.80A	14.20A	14.87A	14.27A	14.95A
Maximum Power Voltage (Vmp)	36.81V	36.81V	37.00V	37.00V	37.17V	37.17V	37.35V	37.35V	37.53V	37.53V
Short Circuit Current (Isc)	14.54A	15.24A	14.63A	15.32A	14.71A	15.41A	14.79A	15.50A	14.88A	15.59A
Open Circuit Voltage (Voc)	44.85V	44.85V	45.05V	45.05V	45.25V	45.25V	45.44V	45.44V	45.63V	45.63V

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	1903x1134x30mm
Output Cable	4mm ² (EU), +200mm, -300mm or Customized
Weight	28kg
Connector	MC4 Compatible

Packing Information	
Container	40' HQ
Pallets per Container	24
Pieces per Container	888

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

