Rene 5 N

ReneSola

BIFACIAL MODULE WITH DUAL GLASS

RS41J-490~515NBG-E1

N-Type /Positive power tolerance of 0~+3%/Max module efficiency 23.16%

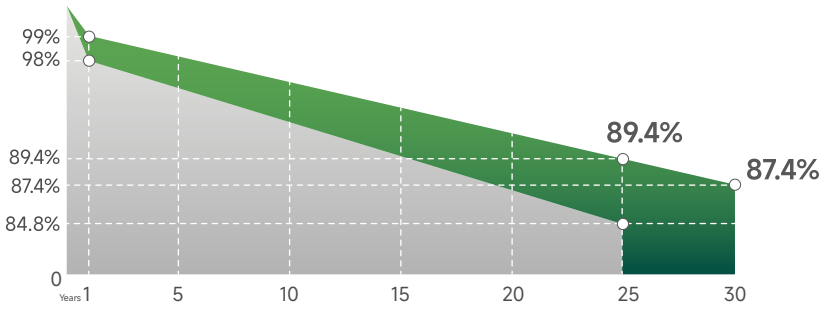
- Suitable for ground power plants and distributed projects
- Advanced module technology delivers superior module efficiency
  ·Non destructive cutting ·MBB half-cut
- Excellent power generation performance
  ·Excellent IAM and low irradiation performance ·Lower temperature coefficient
  ·0.40% linear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

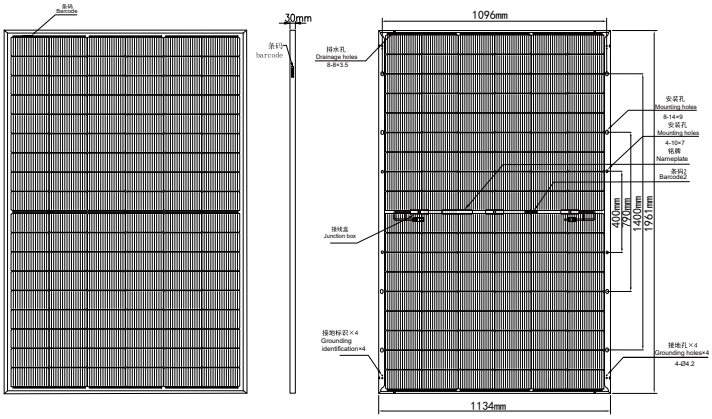


30-Year excess linear power output warranty

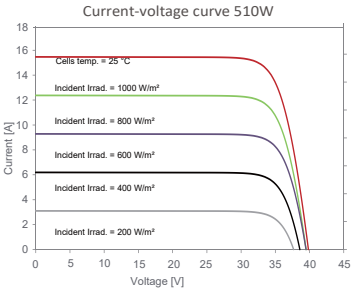
BLOOMBERG TIER 1 Global Leading Brand

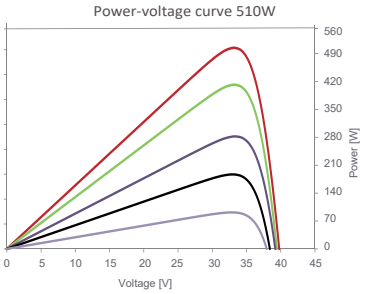
RS41J-490~515NBG-E1

BIFACIAL MODULE WITH DUAL GLASS



Drawing Only for Reference





Electrical Characteristics STC	RS41J-490NBG-E1	RS41J-495NBG-E1	RS41J-500NBG-E1	RS41J-505NBG-E1	RS41J-510NBG-E1	RS41J-515NBG-E1
Maximum Power (Pmax)	490W	495W	500W	505W	510W	515W
Power Tolerance	0~+5W	0~+5W	0~+5W	0~+5W	0~+5W	0~+5W
Module Efficiency	22.03%	22.26%	22.48%	22.71%	22.93%	23.16%
Maximum Power Current (Imp)	14.86A	14.94A	14.98A	15.02A	15.06A	15.10A
Maximum Power Voltage (Vmp)	32.97V	33.14V	33.38V	33.63V	33.87V	34.11V
Short Circuit Current (Isc)	15.80A	15.83A	15.86A	15.89A	15.91A	15.94A
Open Circuit Voltage (Voc)	39.60V	39.85V	40.09V	40.34V	40.58V	40.83V

Values at Standard Test Conditions STC(AM1.5, Irradiance 1000W/m^2, Cell Temperature 25°C)

Electrical Characteristics BNPI	RS41J-490NBG-E1	RS41J-495NBG-E1	RS41J-500NBG-E1	RS41J-505NBG-E1	RS41J-510NBG-E1	RS41J-515NBG-E1
Maximum Power (Pmax)	543W	548W	554W	560W	565W	571W
Maximum Power Current (Imp)	16.46A	16.55A	16.60A	16.64A	16.69A	16.73A
Maximum Power Voltage (Vmp)	32.97V	33.14V	33.38V	33.63V	33.87V	34.11V
Short Circuit Current (Isc)	17.51A	17.54A	17.57A	17.61A	17.63A	17.66A
Open Circuit Voltage (Voc)	39.60V	39.85V	40.09V	40.34V	40.58V	40.83V

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	RS41J-490NBG-E1		RS41J-495NBG-E1		RS41J-500NBG-E1		RS41J-505NBG-E1		RS41J-510NBG-E1		RS41J-510NBG-E1	
Backside Power Gain	5%	10%	5%	10%	5%	10%	5%	10%	5%	10%	5%	10%
Maximum Power (Pmax)	515W	539W	520W	545W	525W	550W	530W	556W	536W	561W	541W	567W
Maximum Power Current (Imp)	15.60A	16.35A	15.69A	16.43A	15.73A	16.48A	15.77A	16.52A	15.81A	16.56A	15.86A	16.61A
Maximum Power Voltage (Vmp)	32.97V	32.97V	33.14V	33.14V	33.38V	33.38V	33.63V	33.63V	33.87V	33.87V	34.11V	34.11V
Short Circuit Current (Isc)	16.59A	17.38A	16.62A	17.41A	16.65A	17.45A	16.68A	17.48A	16.71A	17.50A	16.74A	17.53A
Open Circuit Voltage (Voc)	39.60V	39.60V	39.85V	39.85V	40.09V	40.09V	40.34V	40.34V	40.58V	40.58V	40.83V	40.83V

Mechanical Characteristics

Cell Type	MonoN-Type,108(6×18)Half-Cut cells
Glass	2mm+2mm,High Transmission,Low Iron,Semi-Tempered glass
Frame	Anodized Aluminum Alloy
Juction Box	IP68 Rated
Dimension	1961×1134×30mm
Output Cable	4mm2(EU),+200mm,-300mm or Customized
Weight	28.1kg
Installation Hole Location	MC4 Compatible

Characteristics

Temperature Coefficient of Voc	-0.26%/℃
Temperature Coefficient of Isc	+0.045%/℃
Temperature Coefficient of Pmax	-0.29%/℃
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	24
Pieces per Container	888

Maximum Ratings

Operating Temperature	-40℃~+85℃
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-T41J-01-B-EN