

MONO-FACIAL MODULE

RS4-480~500N-E1

N-Type /Positive power tolerance of 0~+3%/Max module efficiency 23.17%

- 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

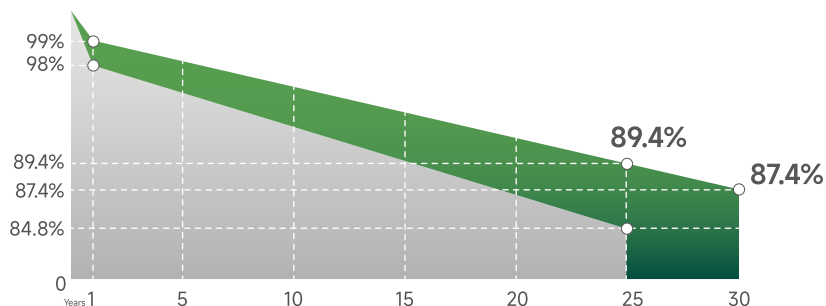
IEC 61215, IEC 61730 ISO9001:
2015: Quality Management System ISO14001:
2015: Environment Management System ISO
45001:2018: Occupational Health
and Safety Management System

15 -Year ◀◀

Material & Workmanship

30 -Year ◀◀

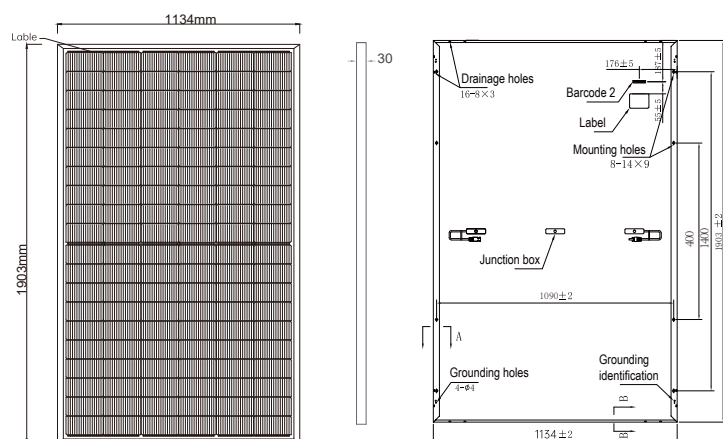
Linear Power Output



30-Year Excess Linear Power Output Warranty

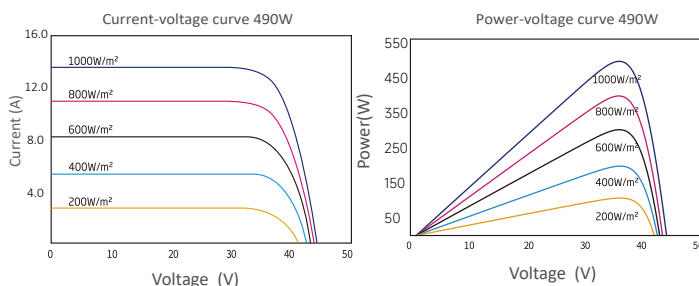
BLOOMBERG
TIER 1
Global
Leading Brand





RS4-480~500N-E1

MONO-FACIAL MODULE



Electrical Characteristics STC	RS4-480N-E1	RS4-485N-E1	RS4-490N-E1	RS4-495N-E1	RS4-500N-E1
Maximum Power (Pmax)	480W	485W	490W	495W	500W
Power Tolerance	0~+5W	0~+5W	0~+5W	0~+5W	0~+5W
Module Efficiency	22.24%	22.47%	22.71%	22.94%	23.17%
Maximum Power Current (Imp)	13.31A	13.38A	13.45A	13.52A	13.59A
Maximum Power Voltage (Vmp)	36.06V	36.25V	36.43V	36.61V	36.79V
Short Circuit Current (Isc)	13.85A	13.93A	14.01A	14.09A	14.17A
Open Circuit Voltage (Voc)	43.99V	44.20V	44.40V	44.60V	44.80V

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

Electrical Characteristics NOCT	RS4-480N-E1	RS4-485N-E1	RS4-490N-E1	RS4-495N-E1	RS4-500N-E1
Maximum Power (Pmax)	361W	364W	368W	372W	376W
Maximum Power Current (Imp)	10.75A	10.81A	10.86A	10.92A	10.98A
Maximum Power Voltage (Vmp)	33.54V	33.71V	33.88V	34.05V	34.22V
Short Circuit Current (Isc)	11.27A	11.33A	11.39A	11.46A	11.52A
Open Circuit Voltage (Voc)	41.35V	41.55V	41.74V	41.92V	42.11V

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

Mechanical Characteristics	
Cell Type	Mono N-Type,120(6×20) Half-Cut cells
Glass	3.2mm,High Transmission,Low Iron,tempered glass
Frame	Anodized Aluminum Alloy
Juction Box	IP68 Rated
Dimension	1903x1134x30mm
Output Cable	4mm2(EU),+200mm,-300mm or Customized
Weight	23.6kg
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	25A

