

MODULE WITH DUAL GLASS

RS4-470~490N-E1



N-Type /Positive power tolerance of 0~+3%/Max module efficiency 22.71%

- 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
- Ultra-hydrophilic self-cleaning coating techniques
- Enhanced Mechanical Load
 - Mechanical performance up to 5400pa positive load and 2400pa negative load

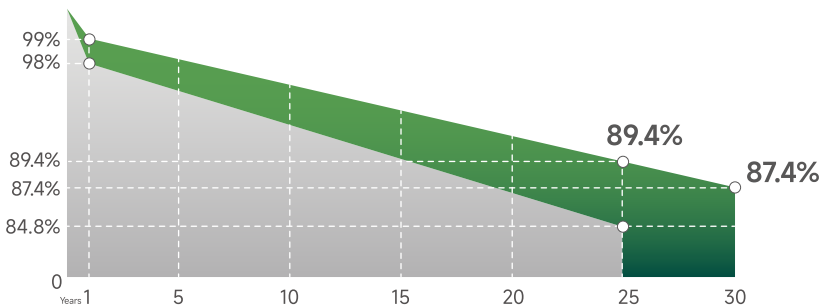


Complete System and IEC Product Certification

IEC 61215(2016), IEC 61730(2016) ISO9001:
2015:Quality Management System ISO14001:
2015:Environment Management System
ISO45001:2018:Occupational Health and Safety Management System

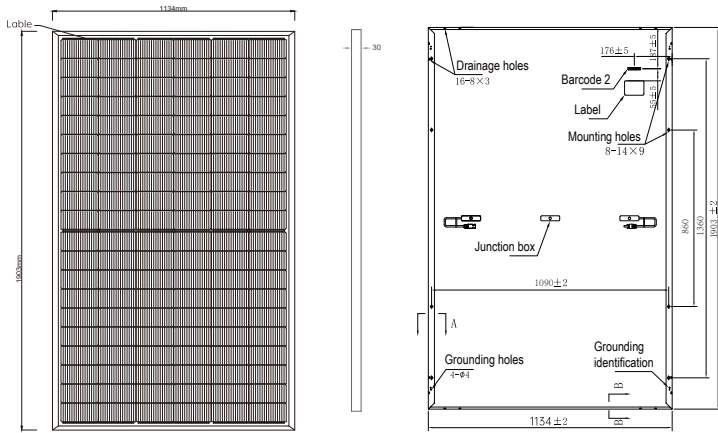
15 -Year ◀◀
Material & Workmanship

30 -Year ◀◀
Linear Power Output



30-Year Excess Linear Power Output Warranty

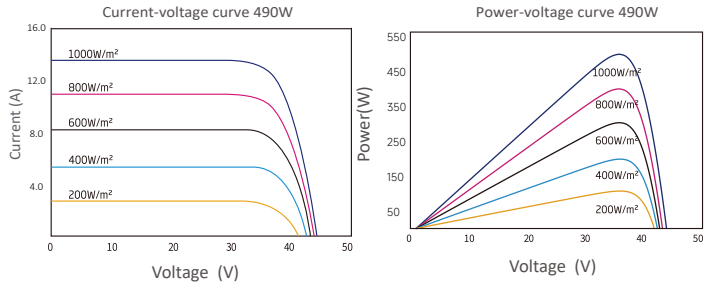




Drawing Only for Reference

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Electrical Characteristics STC	RS4-470N-E1	RS4-475N-E1	RS4-480N-E1	RS4-485N-E1	RS4-490N-E1
Maximum Power (Pmax)	470W	475W	480W	485W	490W
Power Tolerance	0~+5W	0~+5W	0~+5W	0~+5W	0~+5W
Module Efficiency	21.78%	22.01%	22.24%	22.47%	22.71%
Maximum Power Current (Imp)	13.17A	13.24A	13.31A	13.38A	13.45A
Maximum Power Voltage (Vmp)	35.69V	35.88V	36.06V	36.25V	36.43V
Short Circuit Current (Isc)	13.69A	13.77A	13.85A	13.93A	14.01A
Open Circuit Voltage (Voc)	43.59V	43.79V	43.99V	44.20V	44.40V

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

Electrical Characteristics NOCT	RS4-470N-E1	RS4-475N-E1	RS4-480N-E1	RS4-485N-E1	RS4-490N-E1
Maximum Power (Pmax)	353W	357W	361W	364W	368W
Maximum Power Current (Imp)	10.64A	10.69A	10.75A	10.81A	10.86A
Maximum Power Voltage (Vmp)	33.19V	33.37V	33.54V	33.71V	33.88V
Short Circuit Current (Isc)	11.24A	11.30A	11.37A	11.43A	11.50A
Open Circuit Voltage (Voc)	40.97V	41.16V	41.35V	41.55V	41.74V

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

Mechanical Characteristics	
Cell Type	Mono N-Type,120(6x20) Half-Cut cells
Glass	3.2mm,High Transmission,Low Iron,tempered glass
Frame	Anodized Aluminum Alloy
Junction Box	IP68 Rated
Dimension	1903x1134x30mm
Output Cable	4mm²(EU),300mm,length can be customized
Weight	24.2kg
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	
Operatinh Temperature	-40°C~+85°C
Maximum System Voltage	1500VDC
Maximum Series Fuse Rating	25A

