

MONO-FACIAL MODULE

RS4-470~490N-E1

N-Type /Positive power tolerance of $\pm 3\%$ /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

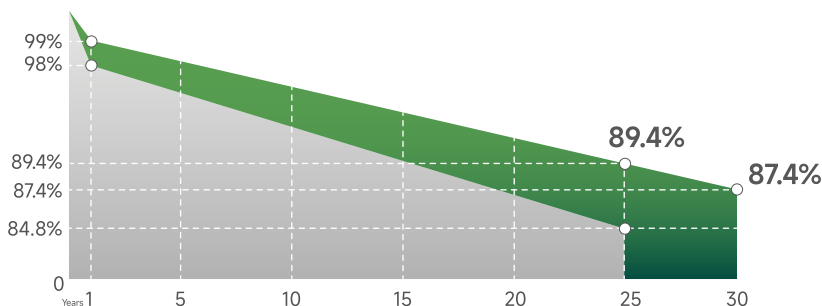
Complete System and IEC Product Certification

IEC 61215(2021), 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

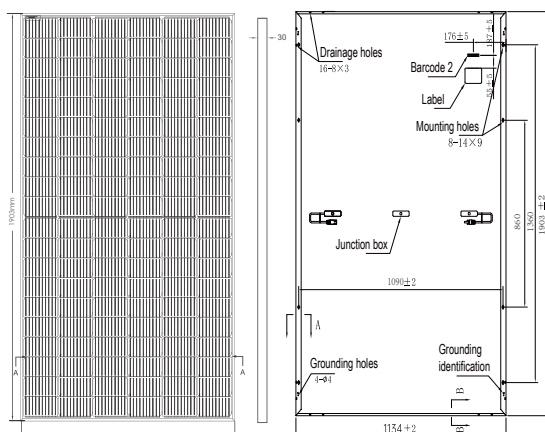


30-Year Excess Linear Power Output Warranty

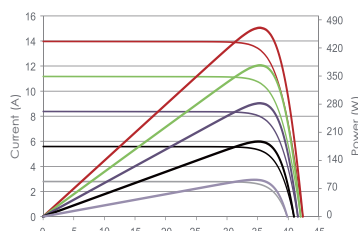


RS4-470~490N-E1

MONO-FACIAL MODULE



Drawing Only for Reference



PV Connectors Make:Zerun Co.,Ltd.
PV Connectors Model:Z4S-abcde

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 Sorting 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)	43.19V	43.39V	43.59V	43.80V	43.99V

Values at Standard Test Conditions STC(AM1.5, Irradiance 1000W/m², Cell Temperature 25°C)
Tolerance of Power/Voc/ISC : ±3%/±3%/±3%

Electrical Characteristics NOCT	RS4-470N-E1	RS4-475N-E1	RS4-480N-E1	RS4-485N-E1	RS4-490N-E1
Maximum Power (Pmax)	353.06W	356.82W	360.58W	364.33W	368.09W
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)	40.60V	40.79V	40.97V	41.17V	41.35V

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

Mechanical Characteristics

Cell Type	MonoN-Type, 120 (6x20) Half-Cut cells
Glass	3.2mm,High Transmission,Low Iron,Tempered Glass
Frame	Anodized Aluminum Alloy
Junction Box	1P68 Rated, With Bypass Diodes
Dimension	1903×1134×30mm
Output Cable	4 mm2 (EU),300 mm,length can be customized
Weight	24.2kg
Installation Hole Location	See Drawing Above

Packing Information

Container	40' HQ
Pallets per Container	24
Pieces per Container	864

Characteristics

Temperature Coefficient of Voc	-0.27%/°C
Temperature Coefficient of Isc	+0.04%/°C
Temperature Coefficient of Pmax	-0.35%/°C
Nominal Operating Cell Temperature (NOCT)	45°C ±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

