

MONO-FACIAL MODULE

RS4-470~490NX-E1

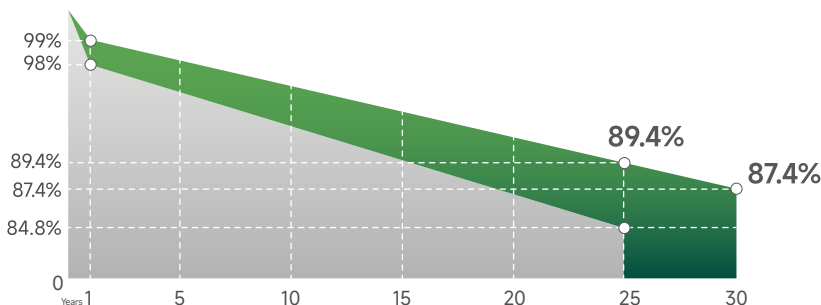
N-Type /Positive power tolerance of 0~+3%/Max module efficiency 22.71%

- 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



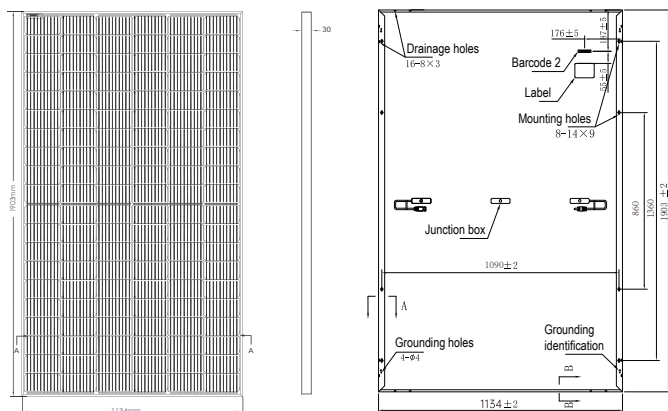
Complete System
and IEC Product Certification

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



30-Year Excess Linear Power Output Warranty

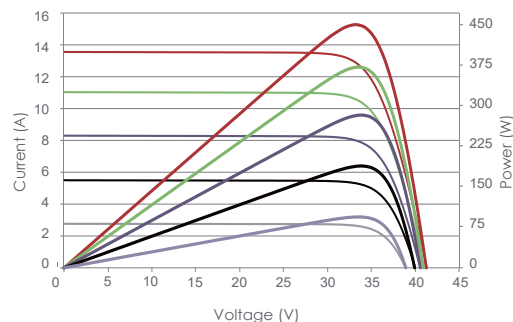




Drawing Only for Reference

RS4-470~490NX-E1

MONO-FACIAL MODULE



Electrical Characteristics STC	RS4-470NX-E1	RS4-475NX-E1	RS4-480NX-E1	RS4-485NX-E1	RS4-490NX-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)	13.10A	13.17A	13.24A	13.31A	13.38A
Maximum Power Voltage (Vmp)	35.69V	35.88V	36.06V	36.25V	36.43V
Short Circuit Current (Isc)	13.61A	13.69A	13.77A	13.85A	13.93A
Open Circuit Voltage (Voc)	43.21V	43.61V	43.61V	43.82V	44.01V

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

Electrical Characteristics NMOT	RS4-470NX-E1	RS4-475NX-E1	RS4-480NX-E1	RS4-485NX-E1	RS4-490NX-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)	11.23A	11.30A	11.36A	11.43A	11.49A
Open Circuit Voltage (Voc)	40.62V	40.81V	41.00V	41.19V	41.37V

NMOT (Nominal module operating temperature), Irradiance of 800W/m, 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	IP68 Rated
Dimension	1903x1134x30mm
Output Cable	4 mm ² (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	-0.25%/°C
Temperature Coefficient of Isc	0.045%/°C
Temperature Coefficient of Pmax	-0.29%/°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

