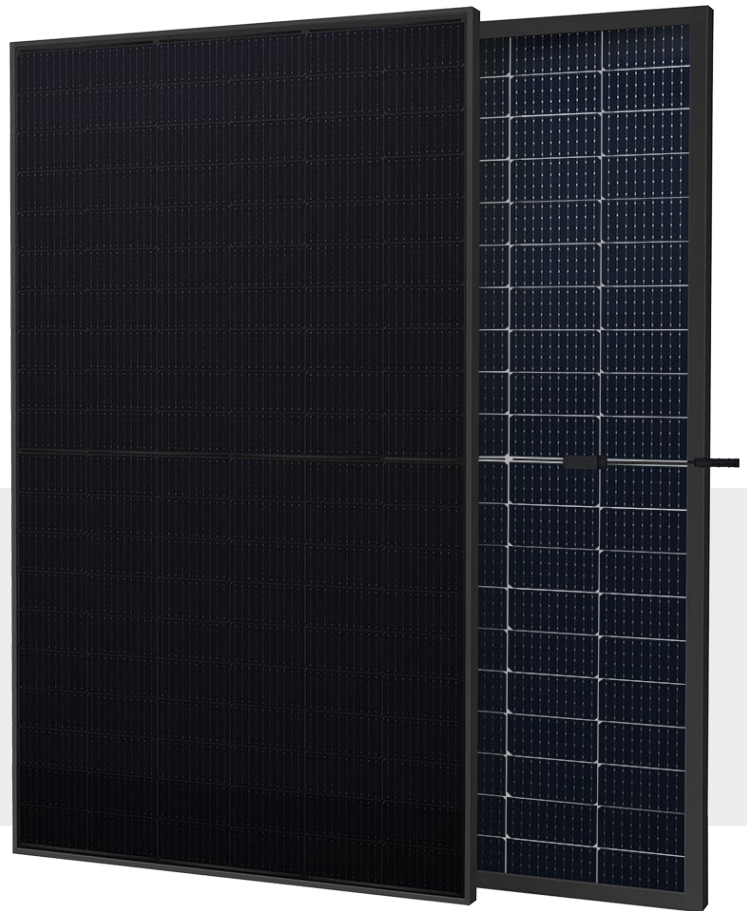


BIFACIAL MODULE WITH DUAL GLASS

RS4-470~490NXG-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

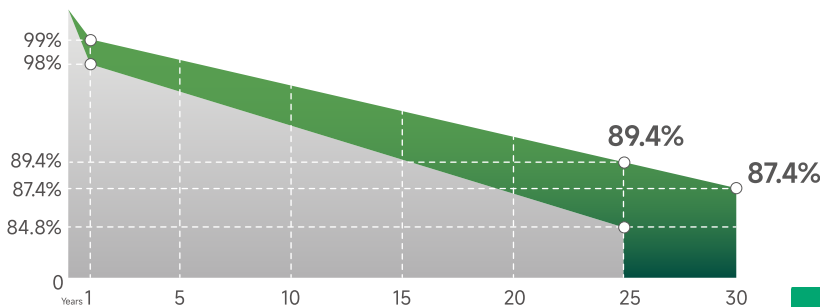


Complete System and IEC Product Certification

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

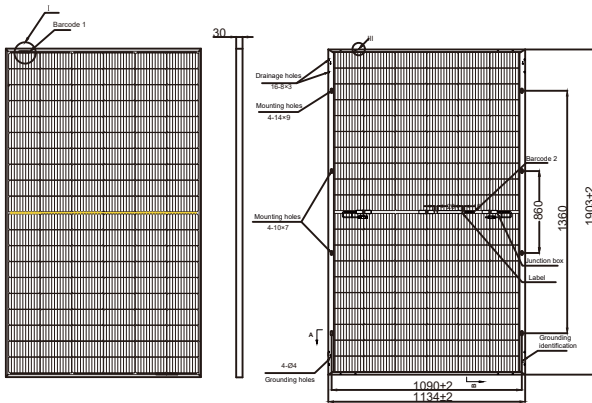
15 -Year ◀◀
Material & Workmanship

30 -Year ◀◀
Linear Power Output



30-Year Excess Linear Power Output Warranty

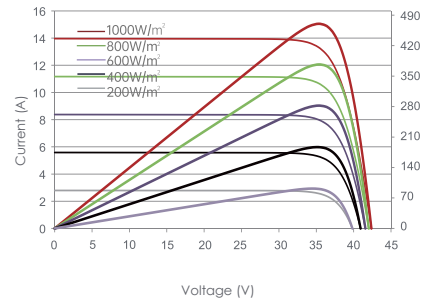




Drawing Only for Reference

RS4-470~490NXG-E1

BIFACIAL MODULE WITH DUAL GLASS



Voltage (V)

Electrical Characteristics STC	RS4-470NXG-E1	RS4-475NXG-E1	RS4-480NXG-E1	RS4-485NXG-E1	RS4-490NXG-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)	12.94A	13.03A	13.10A	13.17A	13.24A
Maximum Power Voltage (Vmp)	36.32V	36.45V	36.64V	36.83V	37.01V
Short Circuit Current (Isc)	13.45A	13.53A	13.61A	13.69A	13.77A
Open Circuit Voltage (Voc)	44.23V	44.44V	44.64V	44.84V	45.04V

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

Electrical Characteristics NOCT	RS4-470NXG-E1	RS4-475NXG-E1	RS4-480NXG-E1	RS4-485NXG-E1	RS4-490NXG-E1
Maximum Power (Pmax)	353.06W	356.82W	360.58W	364.33W	368.09W
Maximum Power Current (Imp)	10.45A	10.52A	10.58A	10.64A	10.69A
Maximum Power Voltage (Vmp)	33.78V	33.90V	34.08V	34.25V	34.42V
Short Circuit Current (Isc)	10.97A	11.04A	11.10A	11.17A	11.23A
Open Circuit Voltage (Voc)	41.58V	41.77V	41.96V	42.15V	42.34V

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

Electrical Characteristics with 21% rear side power gain	RS4-470NXG-E1	RS4-475NXG-E1	RS4-480NXG-E1	RS4-485NXG-E1	RS4-490NXG-E1
Maximum Power (Pmax)	568.70W	574.75W	580.80W	586.85W	592.90W
Maximum Power Current (Imp)	15.66A	15.77A	15.85A	15.94A	16.02A
Maximum Power Voltage (Vmp)	36.32V	36.45V	36.64V	36.83V	37.01V
Short Circuit Current (Isc)	16.27A	16.37A	16.47A	16.56A	16.66A
Open Circuit Voltage (Voc)	44.23V	44.44V	44.64V	44.84V	45.04V

Mechanical Characteristics

Cell Type	MonoN-Type, 120(6×20)Half-Cut cells
Glass	2mm+2mm,High Transmission,Low Iron, Tempered Glass
Frame	Anodized Aluminum Alloy
Junction Box	IP68 Rated
Dimension	1903×1134×30mm
Output Cable	4 mm ² (EU),300 mm,length can be customized
Weight	28kg
Connector	MC4 compatible

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	30A

