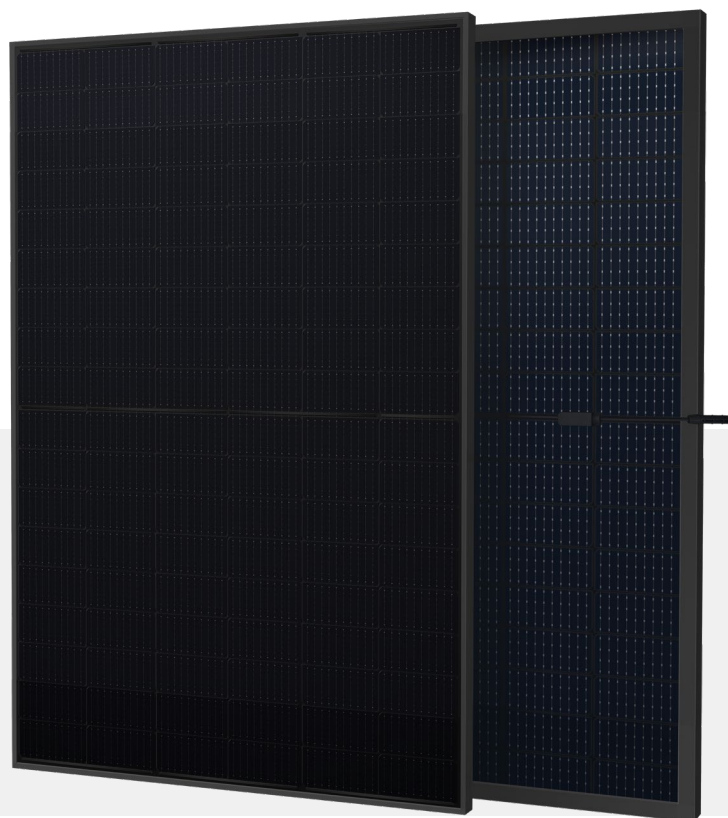


BIFACIAL MODULE WITH DUAL GLASS

RS41H-445~465NXG-E1

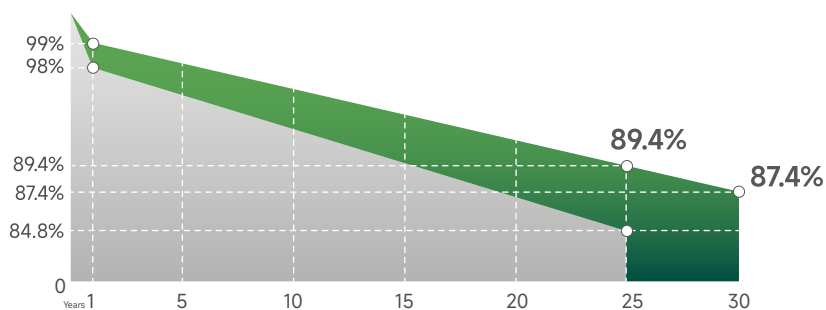
N-Type /Positive power tolerance of $\pm 3\%$ /Max module efficiency 22.78%.

- 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 low irradiation performance · Lower temperature coefficient
 - 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

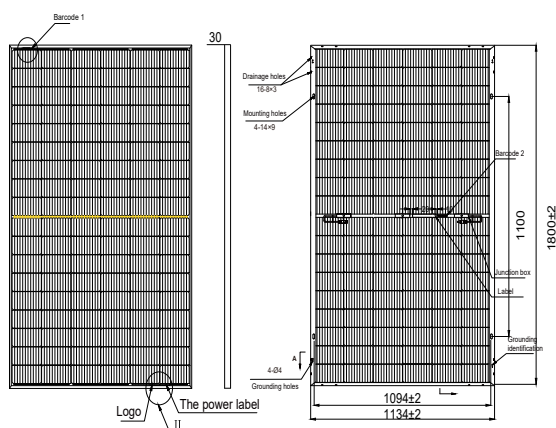


Complete System and IEC Product Certification

IEC 61215(2021), IEC 61730(2016) ISO9001:
2015:Quality Management System ISO14001:
2015:Environment Management System
ISO45001:2018:Occupational Health
and Safety Management System



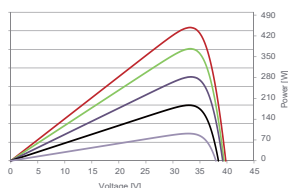
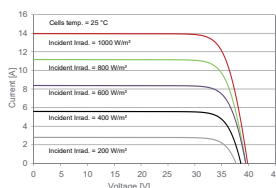
30-Year excess linear power output warranty



Drawing Only for Reference

RS41H-445~465NXG-E1

BIFACIAL MODULE WITH DUAL GLASS



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

Electrical Characteristics STC	RS41H-445NXG-E1	RS41H-450NXG-E1	RS41H-455NXG-E1	RS41H-460NXG-E1	RS41H-465NXG-E1
Maximum Power(Pmax)	445W	450W	455W	460W	465W
Power Sorting Tolerance	0~+5W	0~+5W	0~+5W	0~+5W	0~+5W
Module Efficiency	21.80%	22.05%	22.30%	22.54%	22.78%
Maximum Power Current(Imp)	13.55A	13.63A	13.70A	13.78A	13.85A
Maximum Power Voltage(Vmp)	32.87V	33.08V	33.28V	33.49V	33.70V
Short Circuit Voltage(Isc)	14.18A	14.25A	14.32A	14.39A	14.46A
Open Circuit Voltage(Voc)	39.71V	39.91V	40.11V	40.31V	40.51V

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 BNPI	RS41H-445NXG-E1	RS41H-450NXG-E1	RS41H-455NXG-E1	RS41H-460NXG-E1	RS41H-465NXG-E1
Maximum Power(Pmax)	493W	500W	505W	510W	515W
Maximum Power Current(Imp)	15.01A	15.10A	15.18A	15.27A	15.35A
Maximum Power Voltage(Vmp)	32.87V	33.08V	33.28V	33.49V	33.70V
Short Circuit Voltage(Isc)	15.71A	15.79A	15.87A	15.94A	16.02A
Open Circuit Voltage(Voc)	39.71V	39.91V	40.11V	40.31V	40.51V

Short-circuit current bifaciality coefficient:(80±5)%; open circuit voltage bifaciality coefficient:(98±5)%; maximum power bifaciality coefficient:(80±5)%;

Electrical Characteristics with 21% rear side power gain	RS41H-445NXG-E1	RS41H-450NXG-E1	RS41H-455NXG-E1	RS41H-460NXG-E1	RS41H-465NXG-E1
Maximum Power(Pmax)	538.45W	544.5W	550.55W	556.6W	562.65W
Maximum Power Current(Imp)	16.40A	16.49A	16.58A	16.67A	16.76A
Maximum Power Voltage(Vmp)	32.87V	33.08V	33.28V	33.49V	33.70V
Short Circuit Voltage(Isc)	17.16A	17.24A	17.33A	17.41A	17.50A
Open Circuit Voltage(Voc)	39.71V	39.91V	40.11V	40.31V	40.51V

Mechanical Characteristics

Cell Type	MonoN-Type,108(6×18)Half-Cut cells
Glass	2mm+2mm,High Transmission,Low Iron,Tempered Glass
Frame	Anodized Aluminum Alloy
Junction Box	IP68 Rated, With Bypass Diodes
Dimension	1800×1134×30mm
Output Cable	4 mm² (EU),300 mm,length can be customized
Weight	25.4kg
Installation Hole Location	See Drawing Above

Packing Information

Container	40' HQ
Pallets per Container	26
Pieces per Container	936

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

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

