

MONO-FACIAL MODULE

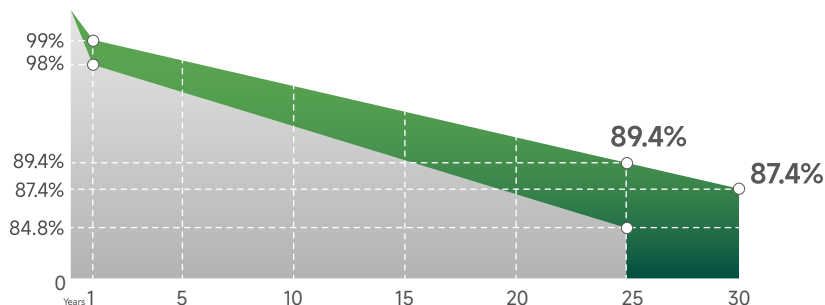
RS41-430~450N-E3

N-Type /Positive power tolerance of 0~+3%/Max module efficiency 23.04%.

- 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
- Enhanced Mechanical Load
 - Mechanical performance up to 5400pa positive load and 2400pa negative load

Complete System
and IEC Product Certification

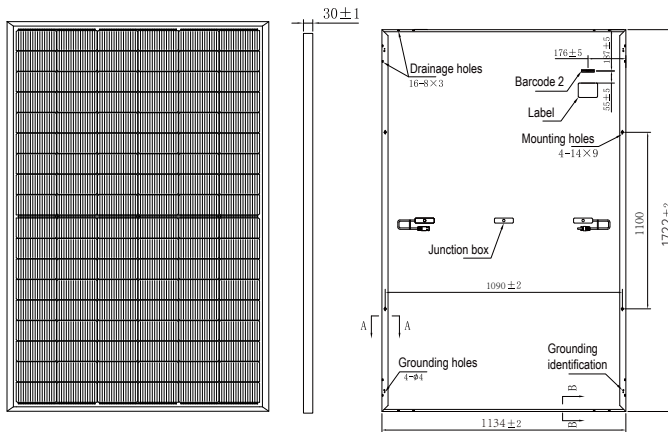
IEC 61215, IEC 61730 ISO9001:
2015:Quality Management System ISO14001:
2015:Environment Management System
ISO45001:2018:Occupational Health
and Safety Management System



30-Year Excess Linear Power Output Warranty

BLOOMBERG
TIER 1
Global
Leading Brand

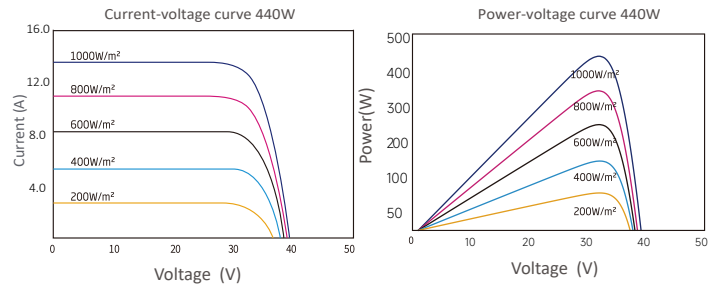




Drawing Only for Reference

RS41-430~450N-E3

MONO-FACIAL MODULE



Electrical Characteristics STC	RS41-430N-E3	RS41-435N-E3	RS41-440N-E3	RS41-445N-E3	RS41-450N-E3
Maximum Power (Pmax)	430W	435W	440W	445W	450W
Power Tolerance	0~+5W	0~+5W	0~+5W	0~+5W	0~+5W
Module Efficiency	22.02%	22.28%	22.53%	22.79%	23.04%
Maximum Power Current (Imp)	13.31A	13.38A	13.45A	13.52A	13.59A
Maximum Power Voltage (Vmp)	32.31V	32.51V	32.71V	32.91V	33.11V
Short Circuit Current (Isc)	13.85A	13.93A	14.01A	14.09A	14.17A
Open Circuit Voltage (Voc)	39.35V	39.58V	39.80V	40.10V	40.13V

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

Electrical Characteristics NOCT	RS41-430N-E3	RS41-435N-E3	RS41-440N-E3	RS41-445N-E3	RS41-450N-E3
Maximum Power (Pmax)	326W	330W	334W	338W	342W
Maximum Power Current (Imp)	10.85A	10.91A	10.98A	11.04A	11.11A
Maximum Power Voltage (Vmp)	30.05V	30.24V	30.42V	30.61V	30.79V
Short Circuit Current (Isc)	11.39A	11.46A	11.53A	11.58A	11.71A
Open Circuit Voltage (Voc)	36.99V	37.21V	37.42V	37.70V	37.73V

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

Mechanical Characteristics	
Cell Type	Mono N-Type,108(6×18) Half-Cut cells
Glass	3.2mm,High Transmission,Low Iron,Tempered glass
Frame	Anodized Aluminum Alloy
Junction Box	IP68 Rated
Dimension	1722x1134x30mm
Output Cable	4mm2(EU),+200mm,-300mm or Customized
Weight	22kg
Connector	MC4 Compatible

Packing Information	
Container	40' HQ
Pallets per Container	26
Pieces per Container	962

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	
Operating Temperature	-40°C~+85°C
Maximum System Voltage	1500VDC
Maximum Series Fuse Rating	25A

