

MONO-FACIAL MODULE

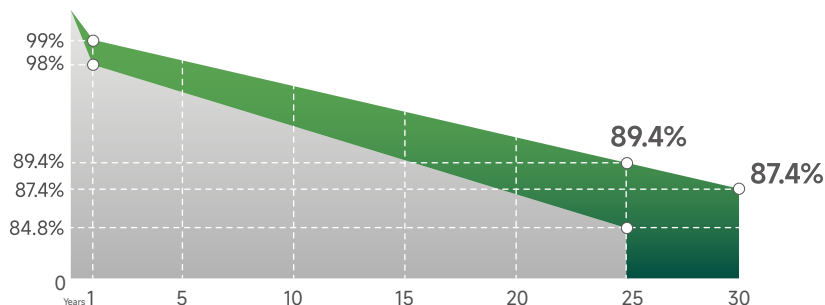
RS41-420~440N-E3

N-Type /Positive power tolerance of 0~+3%/Max module efficiency 22.53%.

- 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

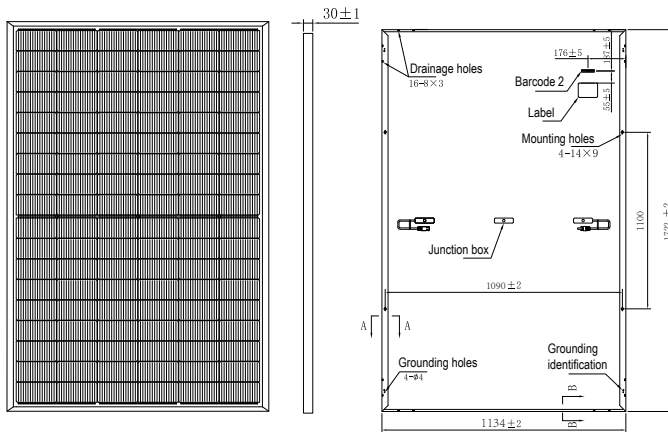
Complete System and IEC Product Certification

IEC 61215(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

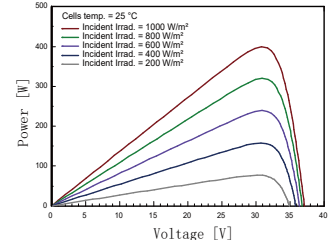
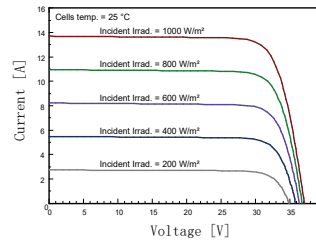




Drawing Only for Reference

RS41-420~440N-E3

MONO-FACIAL MODULE



Electrical Characteristics STC	RS41-420N-E3	RS41-425N-E3	RS41-430N-E3	RS41-435N-E3	RS41-440N-E3
Maximum Power (Pmax)	420W	425W	430W	435W	440W
Power Tolerance	0~+5W	0~+5W	0~+5W	0~+5W	0~+5W
Module Efficiency	21.51%	21.76%	22.02%	22.28%	22.53%
Maximum Power Current (Imp)	12.97A	13.02A	13.07A	13.12A	13.17A
Maximum Power Voltage (Vmp)	32.38V	32.64V	32.90V	33.16V	33.41V
Short Circuit Current (Isc)	13.64A	13.69A	13.74A	13.79A	13.84A
Open Circuit Voltage (Voc)	38.26V	38.55V	38.84V	39.13V	39.42V

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

Electrical Characteristics NOCT	RS41-420N-E3	RS41-425N-E3	RS41-430N-E3	RS41-435N-E3	RS41-440N-E3
Maximum Power (Pmax)	318.0W	322.0W	326.0W	330.0W	334.0W
Maximum Power Current (Imp)	10.56A	10.61A	10.65A	10.70A	10.75A
Maximum Power Voltage (Vmp)	30.12V	30.36V	30.60V	30.83V	31.07V
Short Circuit Current (Isc)	11.42A	11.48A	11.54A	11.59A	11.65A
Open Circuit Voltage (Voc)	35.96V	36.24V	36.51V	36.78V	37.05V

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

Mechanical Characteristics	
Cell Type	MonoN-Type, 182×182(±1)mm, 108(6×18) Half-Cut cells
Glass	3.2mm, High Transmission, Low Iron, Tempered Glass
Frame	Anodized Aluminum Alloy
Junction Box	IP68 Rated
Dimension	1722×1134×30mm
Output Cable	4 mm² (EU), 300 mm, length can be customized
Weight	22kg
Connector	MC4 compatible

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.

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

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

