

MONO-FACIAL MODULE

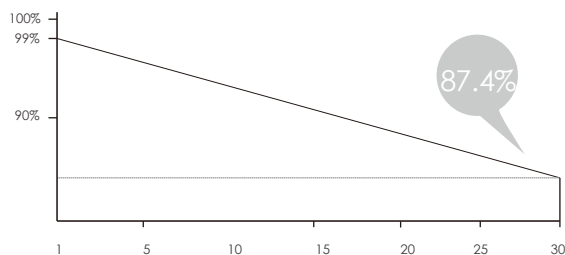
RS41-400~425NX-E3

N-Type / Positive power tolerance of 0~+3%/Max module efficiency 21.76%

- Suitable for ground power plants and distributed projects
- Advanced module technology delivers superior module efficiency
 - Gallium-doped Wafer · 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

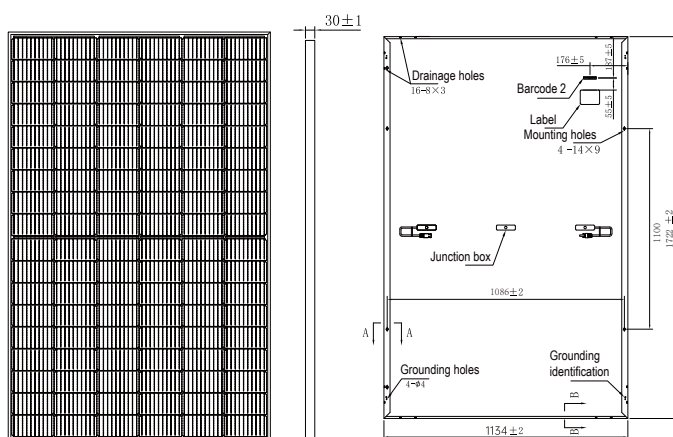
Complete System and IEC Product Certification

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



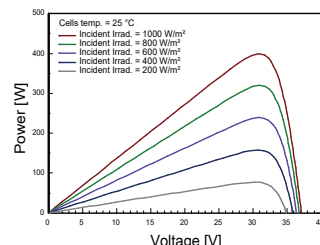
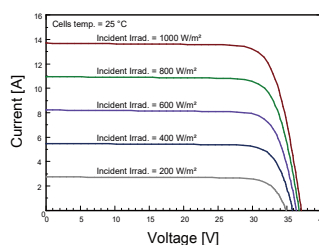
30-Year excess linear power output warranty





RS41-400~425NX-E3

MONO-FACIAL MODULE



Electrical Characteristics STC	RS41-400NX-E3	RS41-405NX-E3	RS41-410NX-E3	RS41-415NX-E3	RS41-420NX-E3	RS41-425NX-E3
Maximum Power (Pmax)	400W	405W	410W	415W	420W	425W
Power Tolerance	0~+5W	0~+5W	0~+5W	0~+5W	0~+5W	0~+5W
Module Efficiency	20.48%	20.74%	21.00%	21.25%	21.51%	21.76%
Maximum Power Current (Imp)	12.70A	12.78A	12.85A	12.93A	13.00A	13.08A
Maximum Power Voltage (Vmp)	31.50V	31.70V	31.90V	32.10V	32.30V	32.50V
Short Circuit Current (Isc)	13.55A	13.65A	13.74A	13.84A	13.93A	14.02A
Open Circuit Voltage (Voc)	37.50V	37.70V	37.90V	38.10V	38.30V	38.50V

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

Electrical Characteristics NMOT	RS41-400NX-E3	RS41-405NX-E3	RS41-410NX-E3	RS41-415NX-E3	RS41-420NX-E3	RS41-425NX-E3
Maximum Power (Pmax)	298.8W	302.5W	306.3W	310.0W	313.7W	317.5W
Maximum Power Current (Imp)	10.20A	10.26A	10.32A	10.38A	10.44A	10.50A
Maximum Power Voltage (Vmp)	29.30V	29.48V	29.67V	29.85V	30.04V	30.23V
Short Circuit Current (Isc)	11.07A	11.15A	11.23A	11.30A	11.38A	11.46A
Open Circuit Voltage (Voc)	34.88V	35.06V	35.25V	35.43V	35.62V	35.81V

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, 182x182(±1)mm, 108 (6x18) Half-Cut cells
Glass	3.2mm,High Transmission,Low Iron,Tempered Glass
Frame	Anodized Aluminum Alloy
Junction Box	IP68 Rated, With Bypass Diodes
Dimension	1722×1134×30mm
Output Cable	4 mm2 (EU),1200 mm,length can be customized
Weight	22kg
Installation Hole Location	See Drawing Above

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

Characteristics	
Temperature Coefficient of Voc	-0.27%/°C
Temperature Coefficient of Isc	+0.04%/°C
Temperature Coefficient of Pmax	-0.35%/°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	25A

