

MONO-FACIAL MODULE

RS41-400~425NX-E3

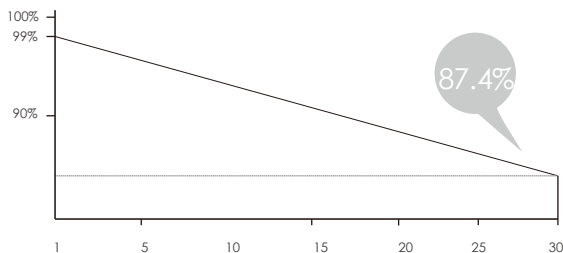
N-Type / Positive power tolerance of 0~+3%/Max module efficiency 21.76%

- Suitable for ground power plants and distributed projects
- Advanced module technology delivers superior module efficiency
 - 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



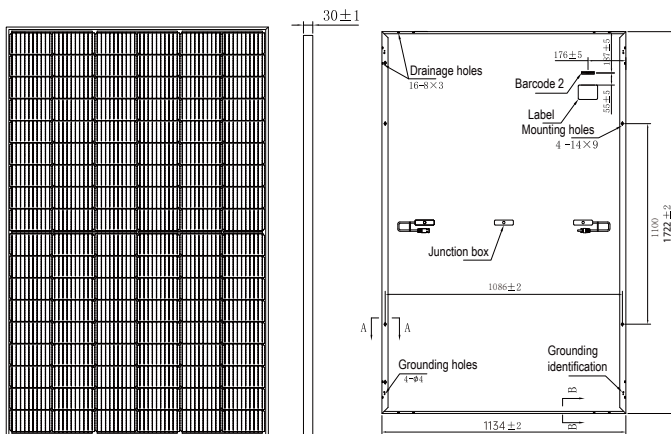
Complete System and IEC Product Certification

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



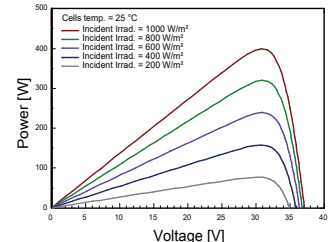
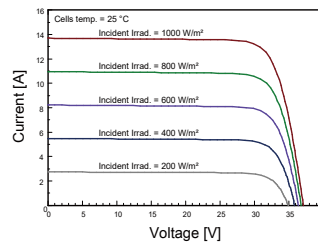
30-Year excess linear power output warranty





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) | 12.78A | 12.86A | 12.94A | 13.02A | 13.10A | 13.17A |
| Maximum Power Voltage (Vmp) | 31.30V | 31.49V | 31.68V | 31.87V | 32.06V | 32.27V |
| Short Circuit Current (Isc) | 13.55A | 13.64A | 13.73A | 13.82A | 13.91A | 13.98A |
| Open Circuit Voltage (Voc) | 37.30V | 37.51V | 37.73V | 37.94V | 38.15V | 38.41V |

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

| Electrical Characteristics NOCT | RS41-400NX-E3 | RS41-405NX-E3 | RS41-410NX-E3 | RS41-415NX-E3 | RS41-420NX-E3 | RS41-425NX-E3 |
|---------------------------------|---------------|---------------|---------------|---------------|---------------|---------------|
| Maximum Power (Pmax) | 303.0W | 307.0W | 311.0W | 315.0W | 318.0W | 322.0W |
| Maximum Power Current (Imp) | 10.44A | 10.50A | 10.56A | 10.62A | 10.67A | 10.74A |
| Maximum Power Voltage (Vmp) | 29.02V | 29.24V | 29.45V | 29.66V | 29.80V | 29.98V |
| Short Circuit Current (Isc) | 11.00A | 11.08A | 11.16A | 11.24A | 11.29A | 11.35A |
| Open Circuit Voltage (Voc) | 35.52V | 35.72V | 35.93V | 36.13V | 36.31V | 36.58V |

NOCT, Irradiance of 800W/m², 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 |
| 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 | -0.26%/°C |
| Temperature Coefficient of Isc | +0.046%/°C |
| Temperature Coefficient of Pmax | -0.31%/°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 |



Note: Please read the safety and installation instructions before using this product
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 web: www.renesola-energy.com
 Version number:RS-T41-082-A

