

## MONO-FACIAL MODULE

# RSC-425~445N-E1

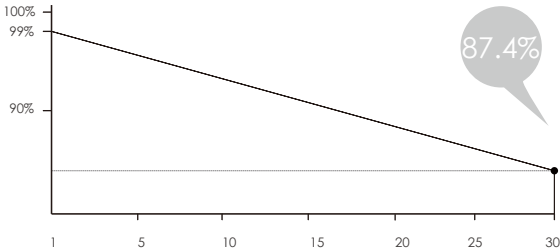
N-Type /Positive power tolerance of 0~+3%/Max module efficiency 22.27%.

- 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

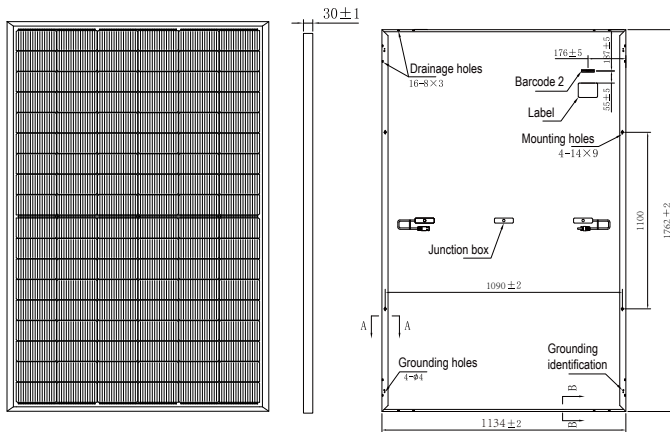


Complete System and IEC Product Certification

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



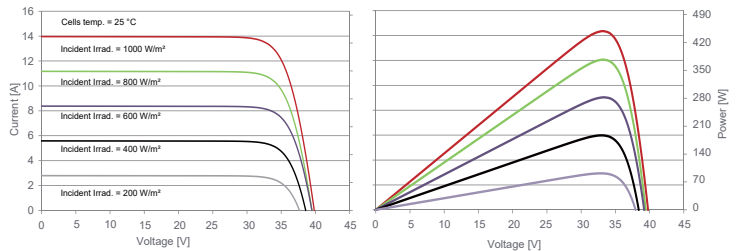
30-Year excess linear power output warranty



Drawing Only for Reference

# RSC-425~445N-E1

## MONO-FACIAL MODULE



Electrical Characteristics STC	RSC-425N-E1	RSC-430N-E1	RSC-435N-E1	RSC-440N-E1	RSC-445N-E1
Maximum Power (Pmax)	425W	430W	435W	440W	445W
Power Tolerance	0~+5W	0~+5W	0~+5W	0~+5W	0~+5W
Module Efficiency	21.27%	21.52%	21.77%	22.02%	22.27%
Maximum Power Current (Imp)	13.21A	13.28A	13.35A	13.41A	13.48A
Maximum Power Voltage (Vmp)	32.18V	32.38V	32.59V	32.81V	33.02V
Short Circuit Current (Isc)	13.66A	13.73A	13.80A	13.86A	13.93A
Open Circuit Voltage (Voc)	38.75V	38.95V	39.16V	39.38V	39.59V

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

Electrical Characteristics NOCT	RSC-425N-E1	RSC-430N-E1	RSC-435N-E1	RSC-440N-E1	RSC-445N-E1
Maximum Power (Pmax)	320.0W	323.0W	327.0W	331.0W	335.0W
Maximum Power Current (Imp)	10.67A	10.73A	10.78A	10.83A	10.89A
Maximum Power Voltage (Vmp)	29.98V	30.10V	30.33V	30.56V	30.76V
Short Circuit Current (Isc)	11.03A	11.09A	11.14A	11.19A	11.25A
Open Circuit Voltage (Voc)	36.81V	37.00V	37.20V	37.41V	37.61V

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

Mechanical Characteristics	
Cell Type	MonoN-Type,108(6×18)Half-Cut cells
Glass	3.2mm,High Transmission,Low Iron,Tempered Glass
Frame	Anodized Aluminum Alloy
Juction Box	IP68 Rated
Dimension	1762×1134×30mm
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



Note: Please read the safety and installation instructions before using this product  
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 web: www.renesola-energy.com  
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