Rene 2 N

ReneSola

MONO-FACIAL MODULE

RS6-570~595N-E3

TIER 1 BloombergNEF

N-Type /Positive power tolerance of 0~+3%/Max module efficiency 23.03%

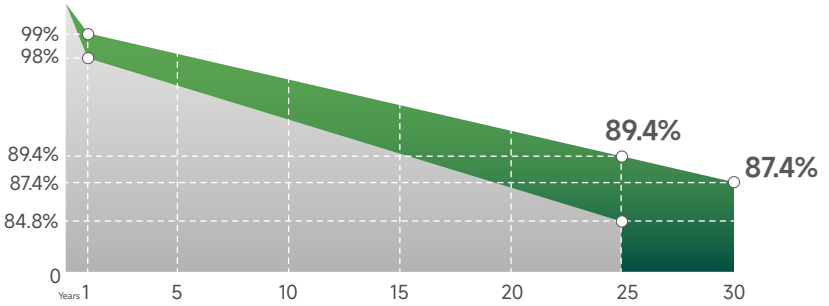
- Suitable for ground power plants and distributed projects
- Advanced module technology delivers superior module efficiency
  ·Non destructive cutting ·MBB half-cut
- Excellent power generation performance
  ·Excellent IAM and low irradiation performance ·Lower temperature coefficient
  ·0.40% linear Power decline
- High module quality ensures long-term reliability
  ·Strict selected material ·Advanced technology ·Leading standard
- Ultra-hydrophilic self-cleaning coating techniques
- Enhanced Mechanical Load
  · Mechanical performance up to5400pa positive load and 2400pa negative load

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

15 -Year Material & Workmanship

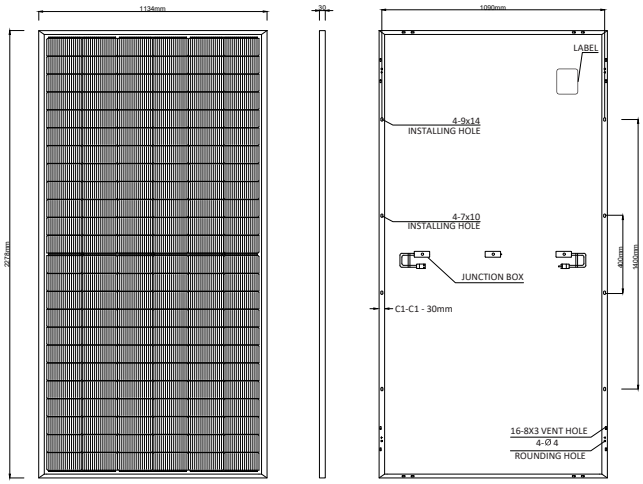
30 -Year Linear Power Output



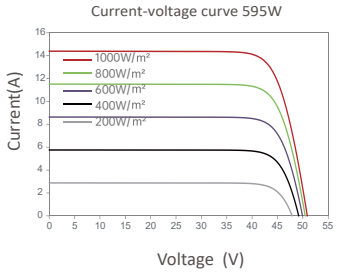
30-Year Excess Linear Power Output Warranty

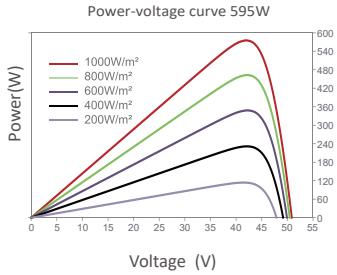
RS6-570~595N-E3

MONO-FACIAL MODULE



Drawing Only for Reference





Electrical Characteristics STC	RS6-570N-E3	RS6-575N-E3	RS6-580N-E3	RS6-585N-E3	RS6-590N-E3	RS6-595N-E3
Maximum Power (Pmax)	570W	575W	580W	585W	590W	595W
Power Tolerance	0~+5W	0~+5W	0~+5W	0~+5W	0~+5W	0~+5W
Module Efficiency	22.07%	22.26%	22.45%	22.65%	22.84%	23.03%
Maximum Power Current (Imp)	13.26A	13.32A	13.38A	13.44A	13.50A	13.56A
Maximum Power Voltage (Vmp)	42.99V	43.17V	43.35V	43.53V	43.70V	43.88V
Short Circuit Current (Isc)	13.89A	13.95A	14.01A	14.07A	14.13A	14.19A
Open Circuit Voltage (Voc)	52.39V	52.59V	52.79V	52.99V	53.19V	53.39V

Values at Standard Test Conditions STC(AM1.5, Irradiance 1000W/m^2, Cell Temperature 25°C)

Electerical Characteristics NOCT	RS6-570N-E3	RS6-575N-E3	RS6-580N-E3	RS6-585N-E3	RS6-590N-E3	RS6-595N-E3
Maximum Power (Pmax)	432W	436W	440W	444W	448W	452W
Maximum Power Current (Imp)	10.65A	10.70A	10.75A	10.80A	10.85A	10.90A
Maximum Power Voltage (Vmp)	40.56V	40.75V	40.93V	41.11V	41.29V	41.47V
Short Circuit Current (Isc)	11.28A	11.33A	11.38A	11.43A	11.48A	11.53A
Open Circuit Voltage (Voc)	49.29V	49.53V	49.76V	49.99V	50.22V	50.45V

NOCT, Irradiance of 800W/m^2, AM1.5, Ambient Temperature 20 °C, wind Speed 1m/s.

Mechanical Characteristics	
Cell Type	Mono N-Type,144(6×24) Half-Cut cells
Glass	3.2mm,High Transmission,Low Iron,tempered glass
Frame	Anodized Aluminum Alloy
Juction Box	IP68 Rated
Dimension	2278x1134x30mm
Output Cable	4mm2(EU),300mm,length can be customized
Weight	27kg
Connector	MC4 Compatible

Packing Information	
Container	40' HQ
Pallets per Container	20
Pieces per Container	740

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

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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