

MONO-FACIAL MODULE

RS5-515~535N-E2

N-Type /Positive power tolerance of 0~+3%/Max module efficiency 22.76%

- 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

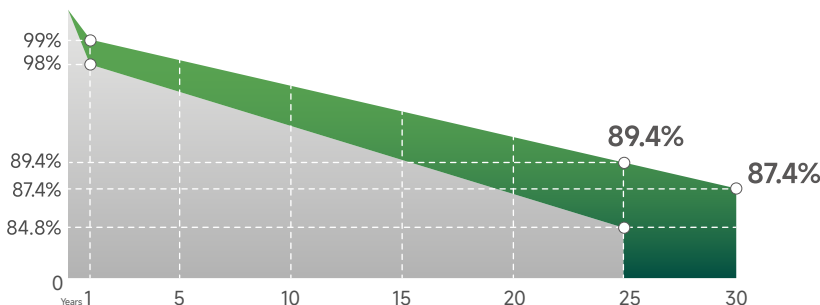


Complete System and IEC Product Certification

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

15 -Year ◀◀
Material & Workmanship

30 -Year ◀◀
Linear Power Output

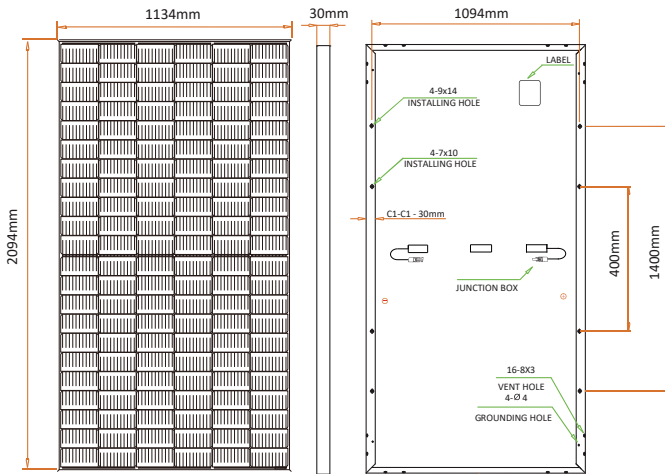


30-Year Excess Linear Power Output Warranty

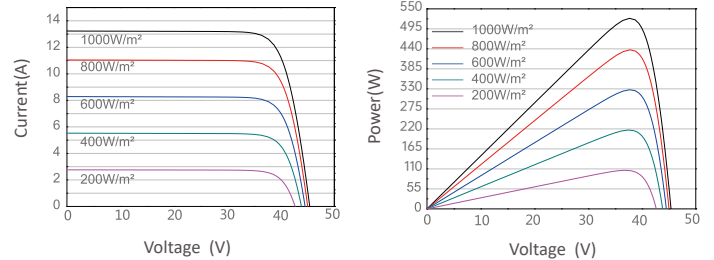


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Drawing Only for Reference



Electrical Characteristics STC	RS5-515N-E2	RS5-520N-E2	RS5-525N-E2	RS5-530N-E2	RS5-535N-E2
Maximum Power (Pmax)	515W	520W	525W	530W	535W
Power Tolerance	0~+5W	0~+5W	0~+5W	0~+5W	0~+5W
Module Efficiency	21.91%	22.12%	22.33%	22.55%	22.76%
Maximum Power Current (Imp)	13.15A	13.22A	13.29A	13.36A	13.44A
Maximum Power Voltage (Vmp)	39.16V	39.33V	39.50V	39.67V	39.81V
Short Circuit Current (Isc)	13.89A	13.95A	14.01A	14.07A	14.13A
Open Circuit Voltage (Voc)	46.67V	46.92V	47.17V	47.42V	47.66V

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

Electrical Characteristics NOCT	RS5-515N-E2	RS5-520N-E2	RS5-525N-E2	RS5-530N-E2	RS5-535N-E2
Maximum Power (Pmax)	386.87W	390.62W	394.38W	398.14W	401.89W
Maximum Power Current (Imp)	10.62A	10.68A	10.73A	10.79A	10.86A
Maximum Power Voltage (Vmp)	36.42V	36.58V	36.74V	36.89V	37.02V
Short Circuit Current (Isc)	11.39A	11.44A	11.49A	11.54A	11.59A
Open Circuit Voltage (Voc)	43.87V	44.11V	44.34V	44.57V	44.80V

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

Mechanical Characteristics

Cell Type	Mono N-Type, 182x182 (±1)mm, 132 (6×22) Half-Cut cells
Glass	3.2mm, High Transmission, Low Iron, Tempered Glass
Frame	Anodized Aluminum Alloy
Junction Box	IP68 Rated
Dimension	2094×1134×30mm
Output Cable	4 mm ² (EU), 300 mm, length can be customized
Weight	26.5kg
Connector	MC4 compatible

Packing Information

Container	40' HQ
Pallets per Container	22
Pieces per Container	792

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.

Maximum Ratings

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

