

MONO-FACIAL MODULE

RS6-560~580N-E3

N-Type /Positive power tolerance of 0~+3%/Max module efficiency 22.45%

- 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

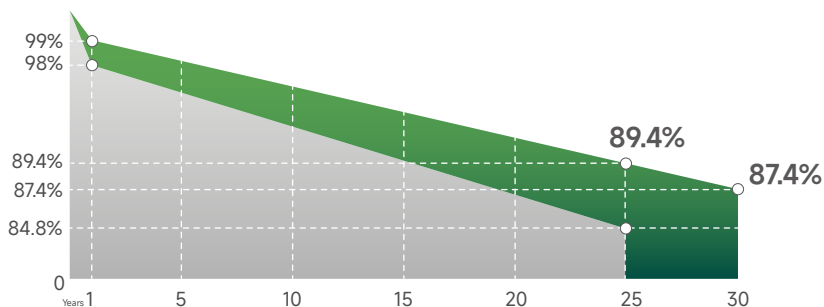


Complete System and IEC Product Certification

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

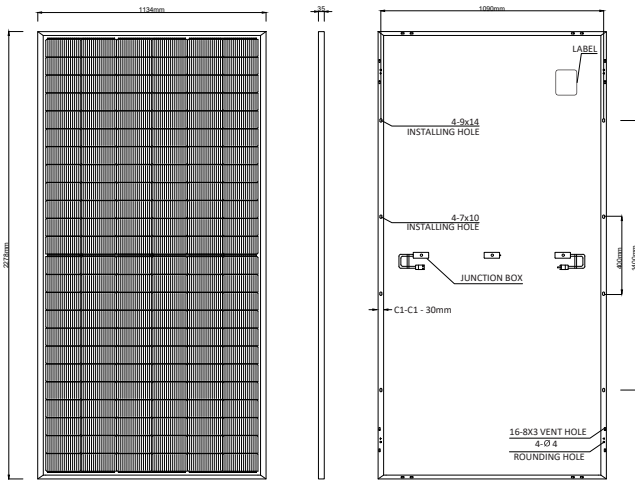


30-Year Excess Linear Power Output Warranty

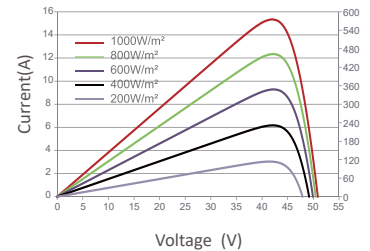
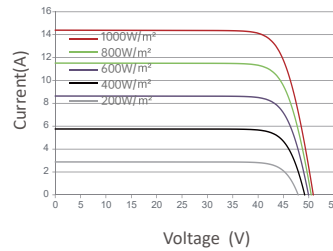


RS6-560~580N-E3

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Drawing Only for Reference



Electrical Characteristics STC	RS6-560N-E3	RS6-565N-E3	RS6-570N-E3	RS6-575N-E3	RS6-580N-E3
Maximum Power (Pmax)	560W	565W	570W	575W	580W
Power Tolerance	0~+5W	0~+5W	0~+5W	0~+5W	0~+5W
Module Efficiency	21.68%	21.87%	22.07%	22.26%	22.45%
Maximum Power Current (Imp)	13.21A	13.27A	13.32A	13.38A	13.43A
Maximum Power Voltage (Vmp)	42.40V	42.60V	42.80V	43.00V	43.20V
Short Circuit Current (Isc)	13.99A	14.05A	14.11A	14.17A	14.24A
Open Circuit Voltage (Voc)	50.60V	50.80V	51.00V	51.20V	51.40V

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

Electrical Characteristics NOCT	RS6-560N-E3	RS6-565N-E3	RS6-570N-E3	RS6-575N-E3	RS6-580N-E3
Maximum Power (Pmax)	424W	428W	432W	436W	440W
Maximum Power Current (Imp)	10.65A	10.70A	10.74A	10.79A	10.84A
Maximum Power Voltage (Vmp)	39.80V	40.00V	40.20V	40.40V	40.60V
Short Circuit Current (Isc)	11.28A	11.33A	11.38A	11.42A	11.48A
Open Circuit Voltage (Voc)	48.40V	48.60V	48.70V	48.90V	49.10V

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

Mechanical Characteristics

Cell Type	MonoN-Type,182×182(±1)mm,144(6×24)Half-Cut cells
Glass	3.2mm,High Transmission,Low Iron,Tempered Glass
Frame	Anodized Aluminum Alloy
Junction Box	IP68 Rated
Dimension	2278×1134×35mm
Output Cable	4 mm ² (EU),300 mm,length can be customized
Weight	27kg
Connector	MC4 compatible

Packing Information

Container	40' HQ
Pallets per Container	20
Pieces per Container	620

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

