

SATURN 7

ReneSola

MONO-FACIAL MODULE

RS7-595~615N-E2

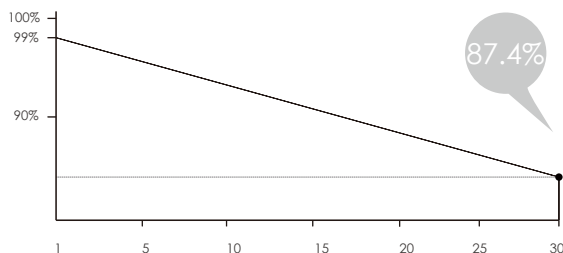
N-Type /Positive power tolerance of 0~+3%/Max module efficiency 22.00%.

- Suitable for ground power plants and distributed projects
- Advanced module technology delivers superior module efficiency
 - Gallium-doped Wafer · Non destructive cutting · MBB half-cut
- Excellent power generation performance
 - Excellent IAM and Weak light response · Low temperature ratings
 - 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

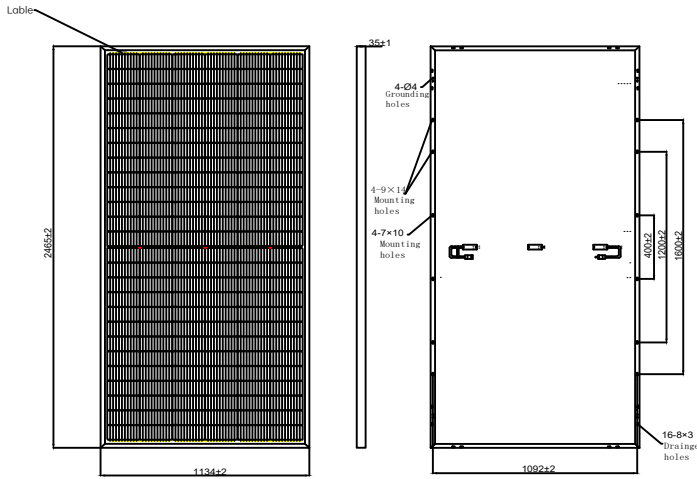


30-Year excess linear power output warranty

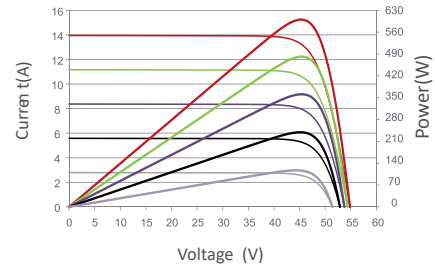


RS7-595~615N-E2

MONO-FACIAL MODULE



Drawing Only for Reference



Electrical Characteristics STC	RS7-595N-E2	RS7-600N-E2	RS7-605N-E2	RS7-610N-E2	RS7-615N-E2
Maximum Power (Pmax)	595W	600W	605W	610W	615W
Power Tolerance	0~+5W	0~+5W	0~+5W	0~+5W	0~+5W
Module Efficiency	21.29%	21.46%	21.64%	21.82%	22.00%
Maximum Power Current (Imp)	12.71A	12.77A	12.83A	12.89A	12.95A
Maximum Power Voltage (Vmp)	46.80V	46.97V	47.14V	47.31V	47.48V
Short Circuit Current (Isc)	13.34A	13.39A	13.45A	13.50A	13.55A
Open Circuit Voltage (Voc)	54.25V	54.50V	54.74V	54.98V	55.22V

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

Electrical Characteristics NOCT	RS7-595N-E2	RS7-600N-E2	RS7-605N-E2	RS7-610N-E2	RS7-615N-E2
Maximum Power (Pmax)	447.5W	451.3W	455.0W	458.2W	462.0W
Maximum Power Current (Imp)	10.28A	10.33A	10.38A	10.41A	10.46A
Maximum Power Voltage (Vmp)	43.52V	43.68V	43.84V	44.00V	44.16V
Short Circuit Current (Isc)	11.34A	11.38A	11.43A	11.46A	11.50A
Open Circuit Voltage (Voc)	51.00V	51.23V	51.46V	51.68V	51.91V

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,156(6×26)Half-Cut cells
Glass	3.2mm,High Transmission,Low Iron,Tempered Glass
Frame	Anodized Aluminum Alloy
Junction Box	IP68 Rated, With Bypass Diodes
Dimension	2465×1134×35mm
Output Cable	4 mm ² (EU),300 mm,length can be customized
Weight	30.6kg
Installation Hole Location	See Drawing Above

Packing Information

Container	40' HQ
Pallets per Container	16
Pieces per Container	496

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.

Maximum Ratings

Operating Temperature	-40°C~+85°C
Maximum System Voltage	1500VDC
Maximum Series Fuse Rating	30A

