

# SATURN 7

# ReneSola

## MONO-FACIAL MODULE

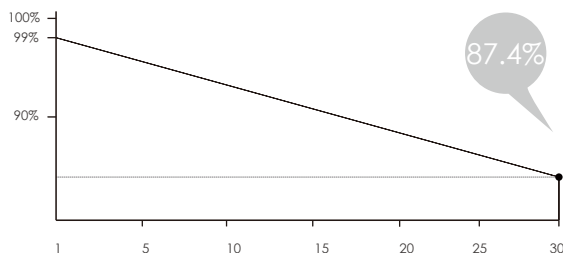
# RS7-610~630N-E2

N-Type / Positive power tolerance of 0~+3%/Max module efficiency 22.54%.

- 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

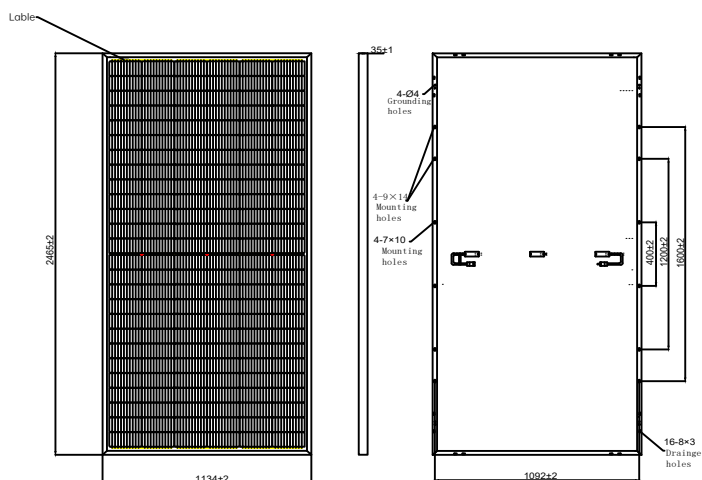
Complete System  
and IEC Product Certification

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



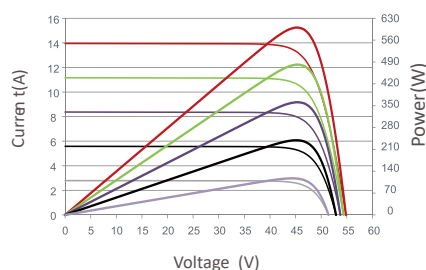


Drawing Only for Reference

# SATURN 7

## RS7-610~630N-E2

MONO-FACIAL MODULE



Electrical Characteristics STC	RS7-610N-E2	RS7-615N-E2	RS7-620N-E2	RS7-625N-E2	RS7-630N-E2
Maximum Power (Pmax)	610W	615W	620W	625W	630W
Power Tolerance	0~+5W	0~+5W	0~+5W	0~+5W	0~+5W
Module Efficiency	21.82%	22.00%	22.18%	22.36%	22.54%
Maximum Power Current (Imp)	12.89A	12.95A	13.01A	13.06A	13.11A
Maximum Power Voltage (Vmp)	47.31V	47.48V	47.66V	47.85V	48.05V
Short Circuit Current (Isc)	13.50A	13.55A	13.60A	13.65A	13.70A
Open Circuit Voltage (Voc)	54.98V	55.22V	55.46V	55.70V	55.94V

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

Electrical Characteristics NOCT	RS7-610N-E2	RS7-615N-E2	RS7-620N-E2	RS7-625N-E2	RS7-630N-E2
Maximum Power (Pmax)	458.2W	462.0W	465.7W	469.5W	473.3W
Maximum Power Current (Imp)	10.41A	10.46A	10.51A	10.55A	10.59A
Maximum Power Voltage (Vmp)	44.00V	44.16V	44.32V	44.50V	44.69V
Short Circuit Current (Isc)	11.46A	11.50A	11.54A	11.59A	11.63A
Open Circuit Voltage (Voc)	51.68V	51.91V	52.13V	52.36V	52.58V

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 mm² (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

