

SATURN 6

ReneSola

MONO-FACIAL MODULE

RS6-550~555M-E3

P-Type /Positive power tolerance of 0~+3%/Max module efficiency 21.48%

- 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
 - 0.55% linear Power decline
- High module quality ensures long-term reliability
 - Strict selected material • Advanced technology • Leading standard

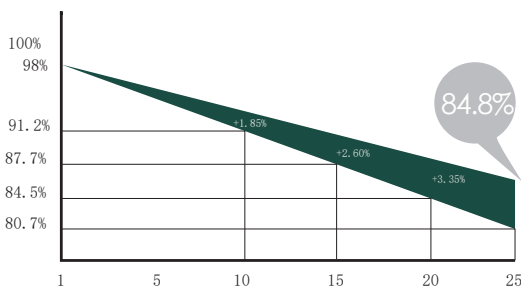


Complete System
and IEC Product Certification

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

12-year ◀◀
Material &
Workmanship

25-year ◀◀
Linear Power
Output

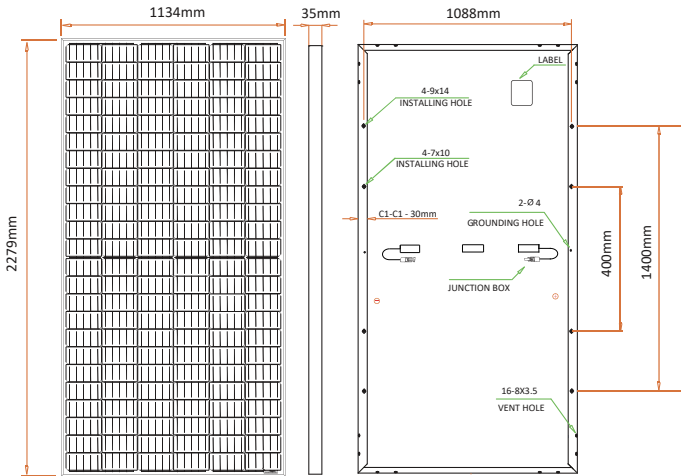


25-Year excess linear power output warranty

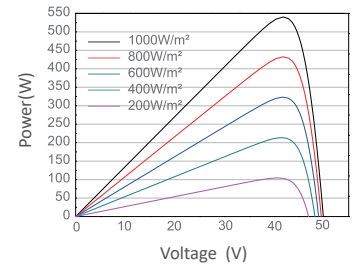
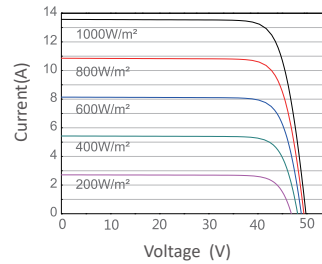


RS6-550~555M-E3

MONO-FACIAL MODULE



Drawing Only for Reference



Electrical Characteristics STC	RS6-550M-E3	RS6-555M-E3
Maximum Power (Pmax)	550W	555W
Power Tolerance	0~+5W	0~+5W
Module Efficiency	21.28%	21.48%
Maximum Power Current (Imp)	13.12A	13.19A
Maximum Power Voltage (Vmp)	41.95V	42.10V
Short Circuit Current (Isc)	13.98A	14.04A
Open Circuit Voltage (Voc)	49.80V	49.95V

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

Electrical Characteristics NMOT	RS6-550M-E3	RS6-555M-E3
Maximum Power (Pmax)	411.1W	414.8W
Maximum Power Current (Imp)	10.56A	10.61A
Maximum Power Voltage (Vmp)	38.97V	39.11V
Short Circuit Current (Isc)	11.31A	11.35A
Open Circuit Voltage (Voc)	46.82V	46.97V

NMOT(Nominal module operating temperature) , Irradiance of 800W/m², AM1.5, Ambient Temperature 20 °C, wind Speed 1m/s.

Mechanical Characteristics	
Cell Type	MonoP-Type, 182x182(±1)mm, 144 (6x24)Half-Cut cells
Glass	3.2mm, High Transmission, Low Iron, Tempered Glass
Frame	Anodized Aluminum Alloy
Junction Box	IP68 Rated, With Bypass Diodes
Dimension	2279×1134×35mm
Output Cable	4 mm ² (EU), 300 mm, length can be customized
Weight	29kg
Installation Hole Location	See Drawing Above

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

Characteristics	
Temperature Coefficient of Voc	-0.27%/°C
Temperature Coefficient of Isc	+0.048%/°C
Temperature Coefficient of Pmax	-0.35%/°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

