

MONO-FACIAL MODULE

RS7-585~605M-E2



P-Type / Positive power tolerance of 0~+3%/Max module efficiency 21.64%.

- 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 low irradiation performance · Lower temperature coefficient
 - 0.55% linear Power decline
- High module quality ensures long-term reliability
 - Strict selected material · Advanced technology · Leading standard
- Ultra-hydrophilic self-cleaning coating techniques
- Enhanced Mechanical Load
 - Mechanical performance up to 5400pa positive load and 2400pa negative load

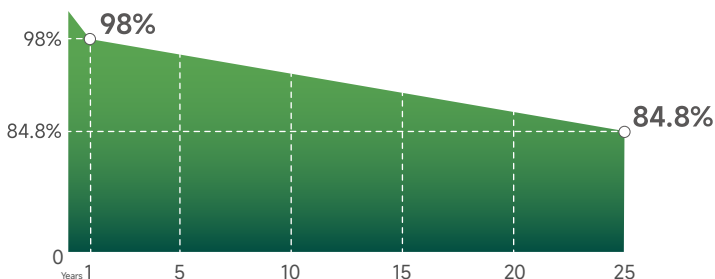
Complete System and IEC Product Certification

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

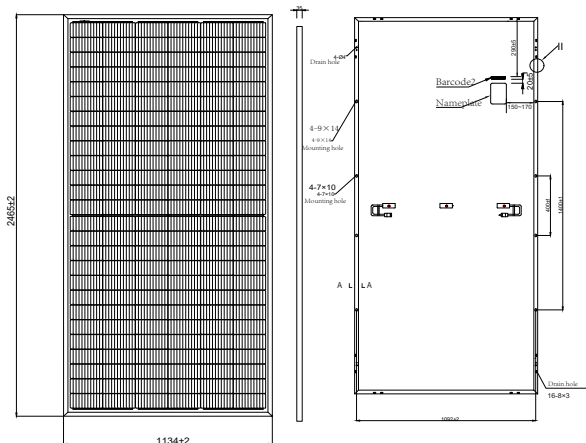


25-Year excess linear power output warranty

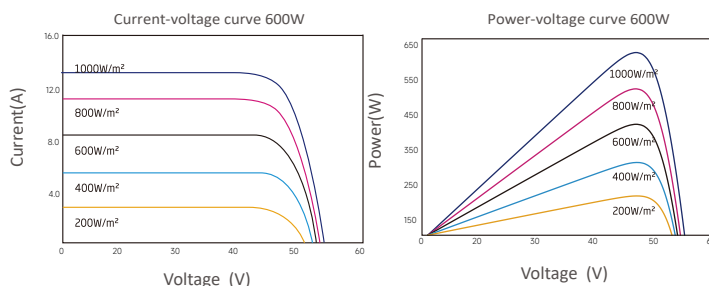


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Drawing Only for Reference



Electrical Characteristics STC	RS7-585M-E2	RS7-590M-E2	RS7-595M-E2	RS7-600M-E2	RS7-605M-E2
Maximum Power (Pmax)	585W	590W	595W	600W	605W
Power Tolerance	0~+5W	0~+5W	0~+5W	0~+5W	0~+5W
Module Efficiency	20.93%	21.11%	21.29%	21.46%	21.64%
Maximum Power Current (Imp)	12.97A	13.04A	13.12A	13.20A	13.28A
Maximum Power Voltage (Vmp)	45.10V	45.25V	45.35V	45.45V	45.55V
Short Circuit Current (Isc)	13.85A	13.92A	13.98A	14.05A	14.12A
Open Circuit Voltage (Voc)	53.65V	53.84V	54.06V	54.26V	54.44V

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

Electrical Characteristics NOCT	RS7-585M-E2	RS7-590M-E2	RS7-595M-E2	RS7-600M-E2	RS7-605M-E2
Maximum Power (Pmax)	437W	441W	445W	448W	452W
Maximum Power Current (Imp)	10.43A	10.49A	10.56A	10.63A	10.70A
Maximum Power Voltage (Vmp)	41.90V	42.01V	42.09V	42.16V	42.23V
Short Circuit Current (Isc)	11.20A	11.25A	11.31A	11.37A	11.44A
Open Circuit Voltage (Voc)	49.56V	49.76V	49.92V	50.10V	50.28V

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

Mechanical Characteristics	
Cell Type	Mono P-Type,156(6×26) Half-Cut cells
Glass	3.2mm,High Transmission,Low Iron,Tempered glass
Frame	Anodized Aluminum Alloy
Junction Box	IP68 Rated
Dimension	2465x1134x35mm
Output Cable	4mm ² (EU),300mm,length can be customized
Weight	30.6kg
Connector	MC4 Compatible

Characteristics	
Temperature Coefficient of Voc	-0.27%/°C
Temperature Coefficient of Isc	+0.04%/°C
Temperature Coefficient of Pmax	-0.35%/°C
Nominal Operating Cell Temperature(NOCT)	43±2°C
Fire Performance	IEC Class 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.

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

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

