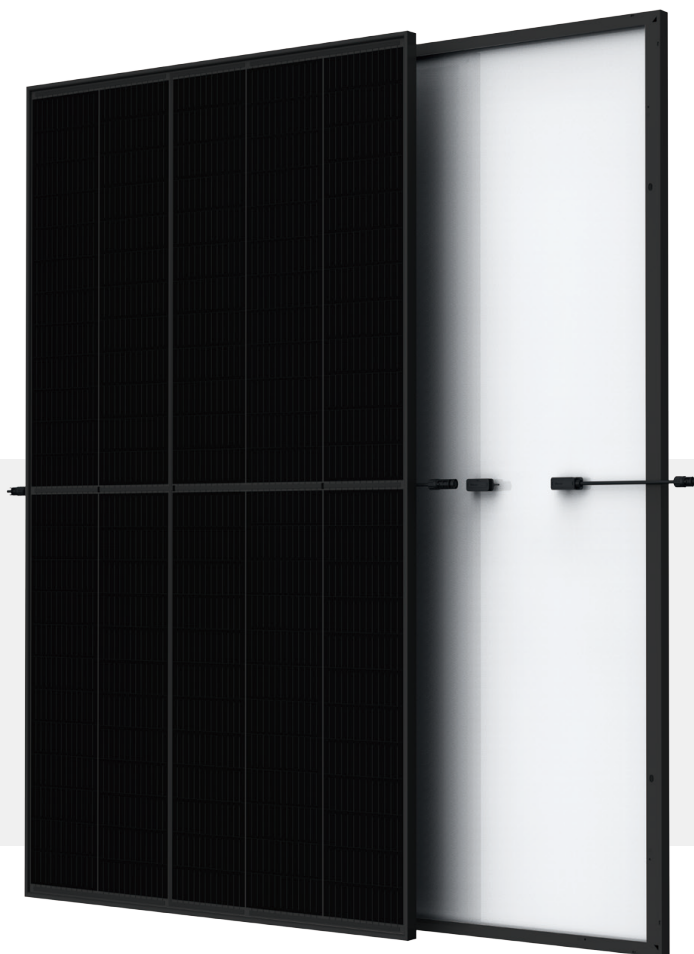


MONO-FACIAL MODULE

RS81-390~410MX-E1

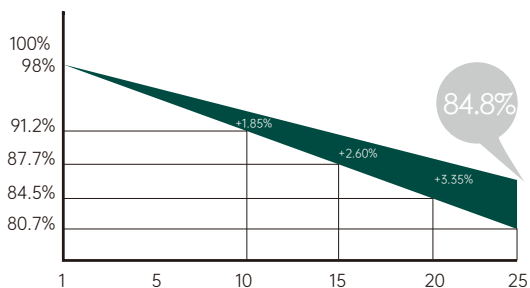
P-Type /Positive power tolerance of 0~+3%/Max module efficiency 21.33%

- 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
- Ultra-hydrophilic self-cleaning coating techniques



Complete System
and IEC Product Certification

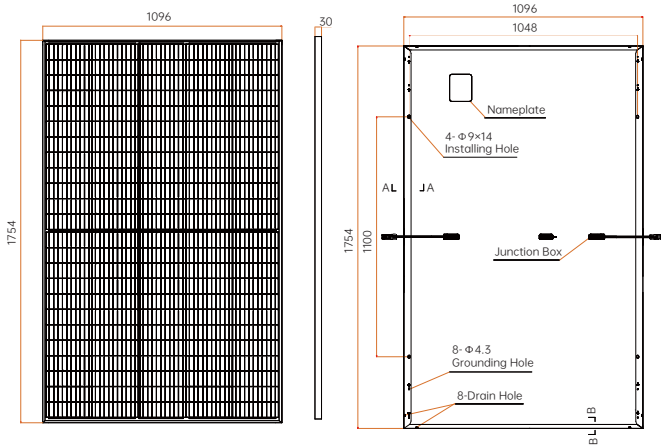
IEC 61215(2016), IEC 61730(2016) ISO9001:
2015:Quality Management System ISO14001:
2015:Environment Management System
ISO45001:2018:Occupational Health
and Safety Management System



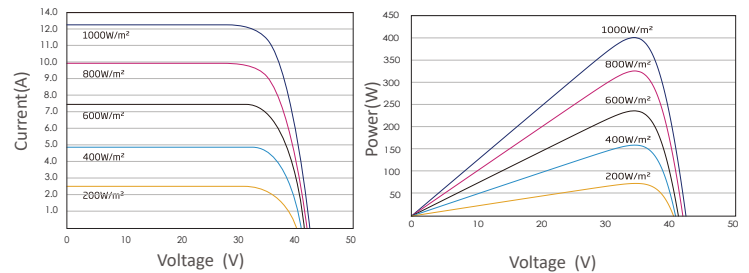
25-Year excess linear power output warranty



RS81-390~410MX-E1 MONO-FACIAL MODULE



Drawing Only for Reference



Electrical Characteristics STC	RS81-390MX-E1	RS81-395MX-E1	RS81-400MX-E1	RS81-405MX-E1	RS81-410MX-E1
Maximum Power (Pmax)	390W	395W	400W	405W	410W
Power Tolerance	0~+5W	0~+5W	0~+5W	0~+5W	0~+5W
Module Efficiency	20.29%	20.55%	20.81%	21.07%	21.33%
Maximum Power Current (Imp)	11.54A	11.62A	11.70A	11.77A	11.85A
Maximum Power Voltage (Vmp)	33.80V	34.00V	34.20V	34.40V	34.60V
Short Circuit Current (Isc)	12.14A	12.21A	12.28A	12.34A	12.41A
Open Circuit Voltage (Voc)	40.80V	41.00V	41.20V	41.40V	41.60V

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

Electrical Characteristics NOCT	RS81-390MX-E1	RS81-395MX-E1	RS81-400MX-E1	RS81-405MX-E1	RS81-410MX-E1
Maximum Power (Pmax)	295.00W	298.00W	302.00W	306.00W	310.00W
Maximum Power Current (Imp)	9.26A	9.32A	9.38A	9.44A	9.51A
Maximum Power Voltage (Vmp)	31.80V	32.00V	32.20V	32.40V	32.60V
Short Circuit Current (Isc)	9.78A	9.84A	9.90A	9.95A	10.00A
Open Circuit Voltage (Voc)	38.40V	38.60V	38.80V	39.00V	39.20V

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

Mechanical Characteristics

Cell Type	Mono P-type,210×210(±1)mm,120 cells
Glass	3.2mm,High Transmission,Low Iron,Tempered Glass
Frame	Anodized Aluminum Alloy
Junction Box	IP68 Rated, With Bypass Diodes
Dimension	1754×1096×30mm
Output Cable	4 mm2 (EU),300 mm,length can be customized
Weight	21kg
Installation Hole Location	See Drawing Above

Packing Information

Container	40' HQ
Pallets per Container	26
Pieces per Container	936

Characteristics

Temperature Coefficient of Voc	-0.25%/°C
Temperature Coefficient of Isc	+0.04 %/°C
Temperature Coefficient of Pmax	-0.34%/°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	20A

