

MONO-FACIAL MODULE

RS4-430~455MX-E1

P-Type /Positive power tolerance of 0~+3%/Max module efficiency 21.08%

- 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

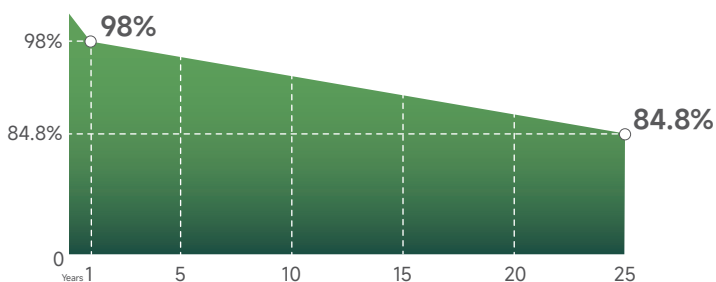


Complete System and IEC Product Certification

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

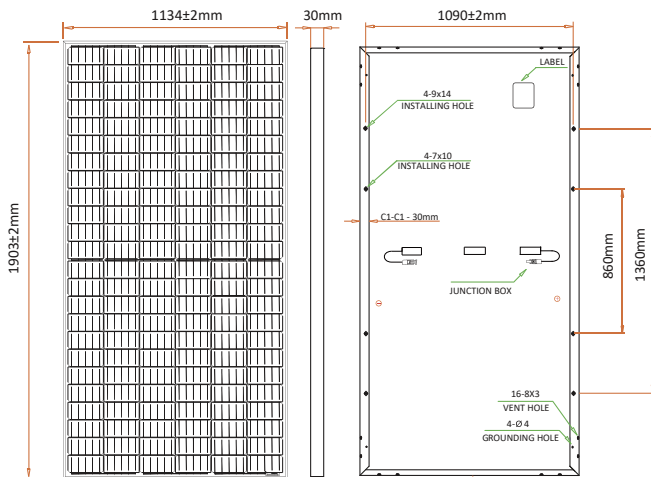
12 -Year ◀◀
Material & Workmanship

25 -Year ◀◀
Linear Power Output



25-Year Excess Linear Power Output Warranty

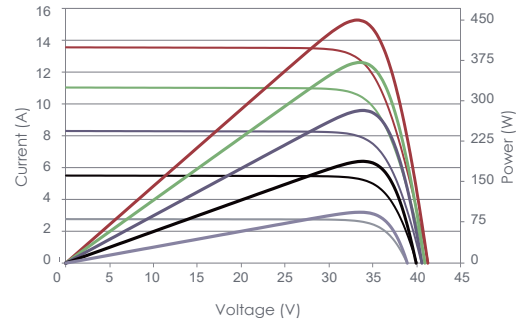




Drawing Only for Reference

RS4-430~455MX-E1

MONO-FACIAL MODULE



Electrical Characteristics STC	RS4-430MX-E1	RS4-435MX-E1	RS4-440MX-E1	RS4-445MX-E1	RS4-450MX-E1	RS4-455MX-E1
Maximum Power (Pmax)	430W	435W	440W	445W	450W	455W
Power Tolerance	0~+5W	0~+5W	0~+5W	0~+5W	0~+5W	0~+5W
Module Efficiency	19.93%	20.16%	20.39%	20.62%	20.85%	21.08%
Maximum Power Current (Imp)	12.79A	12.90A	13.01A	13.12A	13.21A	13.30A
Maximum Power Voltage (Vmp)	33.62V	33.72V	33.82V	33.91V	34.06V	34.20V
Short Circuit Current (Isc)	13.34A	13.47A	13.60A	13.73A	13.83A	13.93A
Open Circuit Voltage (Voc)	40.94V	41.02V	41.10V	41.18V	41.33V	41.48V

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

Electrical Characteristics NOCT	RS4-430MX-E1	RS4-435MX-E1	RS4-440MX-E1	RS4-445MX-E1	RS4-450MX-E1	RS4-455MX-E1
Maximum Power (Pmax)	319W	323W	327W	331W	335W	339W
Maximum Power Current (Imp)	10.22A	10.29A	10.36A	10.43A	10.50A	10.57A
Maximum Power Voltage (Vmp)	31.22V	31.39V	31.56V	31.73V	31.91V	32.07V
Short Circuit Current (Isc)	10.48A	10.60A	10.71A	10.82A	10.91A	11.00A
Open Circuit Voltage (Voc)	38.65V	38.72V	38.79V	38.87V	39.01V	39.15V

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

Mechanical Characteristics

Cell Type	MonoP-Type,182×182(±1)mm,120(6×20)Half-Cut cells
Glass	3.2mm,High Transmission,Low Iron,Tempered Glass
Frame	Anodized Aluminum Alloy
Junction Box	IP68 Rated, With Bypass Diodes
Dimension	1903×1134×30mm
Output Cable	4 mm ² (EU),300 mm,length can be customized
Weight	24.2kg
Installation Hole Location	See Drawing Above

Packing Information

Container	40' HQ
Pallets per Container	24
Pieces per Container	864

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)	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	25A

