



## BIFACIAL MODULE WITH DUAL GLASS

## RS4-440~455MXG-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  $\cdot \mathsf{Excellent} \ \mathsf{IAM} \ \mathsf{and} \ \mathsf{Weak} \ \mathsf{light} \ \mathsf{response} \ \cdot \mathsf{Low} \ \mathsf{temperature} \ \mathsf{ratings}$ ·0.45% 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 5400 pa positive load and 2400pa negative load

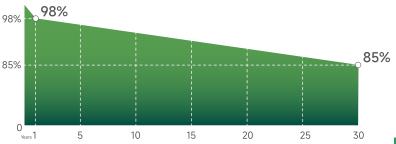
Complete System and IEC Product Certification

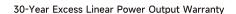
IEC 61215(2016),IEC 61730(2016) ISO9001: 2015: Quality Management System ISO14001: 2015:Environment Management System ISO45001:2018:Occupational Health and Safety Management System

















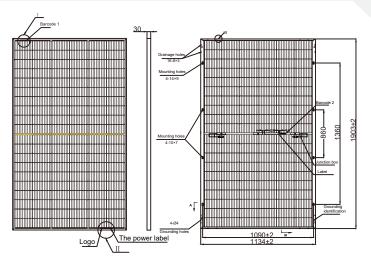






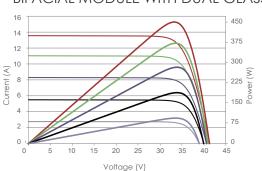






## RS4-440~455MXG-E1

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Drawing	Only	, for	Referenc	۵

Electrical Characteristics STC	RS4-440MXG-E1	RS4-445MXG-E1	RS4-450MXG-E1	RS4-455MXG-E1
Maximum Power (Pmax)	440W	445W	450W	455W
Power Tolerance	0~+5W	0~+5W	0~+5W	0~+5W
Module Efficiency	20.39%	20.62%	20.85%	21.08%
Maximum Power Current (Imp)	13.01A	13.12A	13.21A	13.30A
Maximum Power Voltage (Vmp)	33.82V	33.91V	34.06V	34.20V
Short Circuit Current (Isc)	13.60A	13.73A	13.83A	13.93A
Open Circuit Voltage (Voc)	41.10V	41.18V	41.33V	41.48V

Values at Standard Test Conditions STC(AM1.5, Irradiance 1000W/m², Cell Temperature25°C)

Electrical Characteristics NOCT	RS4-440MXG-E1	RS4-445MXG-E1	RS4-450MXG-E1	RS4-455MXG-E1
Maximum Power (Pmax)	327W	331W	335W	339W
Maximum Power Current (Imp)	10.36A	10.43A	10.50A	10.57A
Maximum Power Voltage (Vmp)	31.56V	31.73V	31.91V	32.07V
Short Circuit Current (Isc)	10.71A	10.82A	10.91A	11.00A
Open Circuit Voltage (Voc)	38.79V	38.87V	39.01V	39.15V

NOCT, Irradiance of 800W/ $m^2$ , AM1.5, Ambient Temperature 20 °C, wind Speed 1m/s.

Electrical Characteristics with 21% rear side power gain	RS4-440MXG-E1	RS4-445MXG-E1	RS4-450MXG-E1	R\$4-455MXG-E1
Maximum Power (Pmax)	532.4W	538.5W	544.5W	550.6W
Maximum Power Current (Imp)	15.74A	15.88A	15.99A	16.10A
Maximum Power Voltage (Vmp)	33.82V	33.91V	34.06V	34.20V
Short Circuit Current (Isc)	16.45A	16.61A	16.73A	16.86A
Open Circuit Voltage (Voc)	41.10V	41.18V	41.33V	41.48V

Mechanical Characteris	stics
Cell Type	MonoP-Type,182x182(±1)mm,120(6x20)Half-Cut cells
Glass	2mm+2mm,High Transmission,Low Iron,Tempered Glas
Frame	Anodized Aluminum Alloy
Juction Box	IP68 Rated, With Bypass Diodes
Dimension	1903×1134×30mm
Output Cable	4 mm2 (EU),300 mm,length can be customized
Weight	28kg
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%/℃
Temperature Coefficient of Isc	+0.048%/°C
Temperature Coefficient of Pmax	-0.35%/°C
Nominal Operating Cell Temperature (NOCT)	45°C±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.

Maximum Ratings	
Operating Temperature	-40°C~+85°C
Maximum System Voltage	1500VDC
Maximum Series Fuse Rating	30A



