

MODULE WITH DUAL GLASS

# RS81-405~425HXG-E1

**425W**

Max power output

**22.1%**

Max panel Efficiency

**Lead Free**

Advanced 24BB Technology

**HJT**

210 Wafer



## Advantages

### More Power Output

- Advanced 210HJT cell and 24BB module technology leads to higher efficiency(22.1%);
- Better Weak Illumination Response and Lower temperature coefficient (-0.24%) for HJT;
- N-type solar cell has no LID naturally, can increase power generation

### Better Looking

- Excellent cell color control by HJT technology;
- Designed with aesthetics in mind, 24BB thinner wires that appear all black at a distance

### ECO Friendly

- Innovative 24BB module technology leads to LEAD-FREE;
- Double-glass design leads to fluoride-free;
- 210HJT technology leads to thinner wafer and lower energy consumption

### Maximum safety

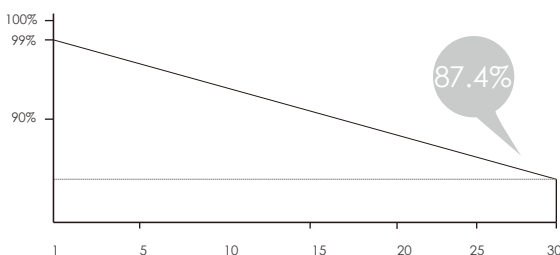
- Double-glass design leads to avoid fire;
- Perfect size and low weight, Easy for handling and Economy for transporting;
- Diverse installation solutions.Flexible for system deployment;

### Maximum safety

- Excellent IAM and Weak light response ·Low temperature ratings
- 0.40% linear Power decline

### 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

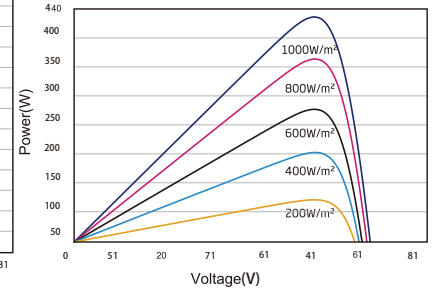
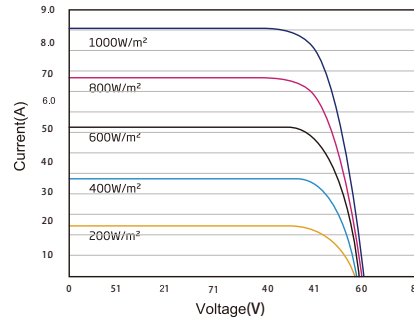
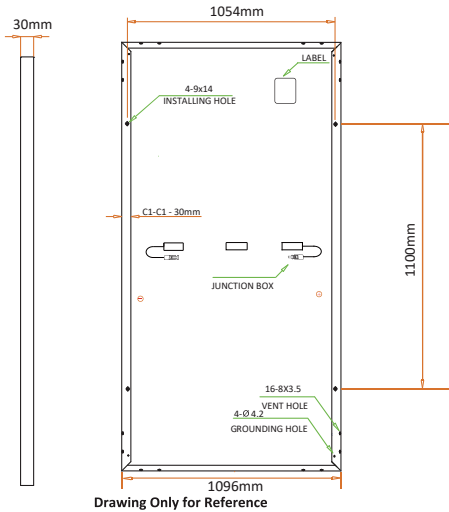


30-Year excess linear power output warranty



## RS81-405~425HXG-E1

MODULE WITH DUAL GLASS



Electrical Characteristics STC	RS81-405HXG-E1	RS81-410HXG-E1	RS81-415HXG-E1	RS81-420HXG-E1	RS81-425HXG-E1
Maximum Power (Pmax)	405W	410W	415W	420W	425W
Power Tolerance	0~+5W	0~+5W	0~+5W	0~+5W	0~+5W
Module Efficiency	21.10%	21.30%	21.60%	21.80%	22.10%
Maximum Power Current (Imp)	15.98A	16.08A	16.18A	16.29A	16.42A
Maximum Power Voltage (Vmp)	25.40V	25.50V	25.70V	25.80V	25.90V
Short Circuit Current (Isc)	17.02A	17.09A	17.19A	17.29A	17.39A
Open Circuit Voltage (Voc)	29.70V	29.80V	29.90V	30.10V	30.20V

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

Electrical Characteristics NOCT	RS81-405HXG-E1	RS81-410HXG-E1	RS81-415HXG-E1	RS81-420HXG-E1	RS81-425HXG-E1
Maximum Power (Pmax)	306W	310W	313W	317W	321W
Maximum Power Current (Imp)	12.86A	12.94A	13.04A	13.12A	13.20A
Maximum Power Voltage (Vmp)	23.80V	23.90V	24.10V	24.20V	24.30V
Short Circuit Current (Isc)	13.74A	13.80A	13.88A	13.96A	14.02A
Open Circuit Voltage (Voc)	28.30V	28.40V	28.60V	28.70V	28.80V

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

### Mechanical Characteristics

Cell Type	<b>MonoHJT-Type,210×210(±1)mm,80(5×16)half-cut cells</b>
Glass	2mm, Double AR Coated Heat Strengthened Glass
Frame	Anodized Aluminum Alloy
Junction Box	IP68 Rated, With Bypass Diodes
Dimension	1754×1096×30mm
Output Cable	4 mm <sup>2</sup> (EU),300 mm,length can be customized
Weight	23.5kg
Installation Hole Location	See Drawing Above

### Packing Information

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

### Characteristics

Temperature Coefficient of Voc	-0.22%/°C
Temperature Coefficient of Isc	+0.047%/°C
Temperature Coefficient of Pmax	-0.24%/°C
Nominal Operating Cell Temperature (NOCT)	43°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

