

BIFACIAL MODULE WITH DUAL GLASS

RS81-410~430HBG-E1

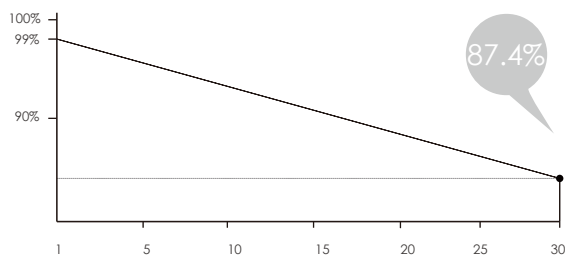
HJT-Type /Positive power tolerance of 0~+3%/Max module efficiency 22.37%

- Advanced 210HJT cell and 24BB module technology leads to higher efficiency;
- N-type solar cell has no LID naturally, can increase powergeneration
 - Excellent cell color control ·Non destructive cutting ·Thinner wafer
- Excellent power generation performance
 - Excellent IAM and low irradiation performance ·Lower temperature coefficient
 - 0.40% linear Power decline
- Flexible for system deployment
 - Perfect size and low weight ·Diverse installation solutions. ·Leads to avoid fire
- Ultra-hydrophilic self-cleaning coating techniques

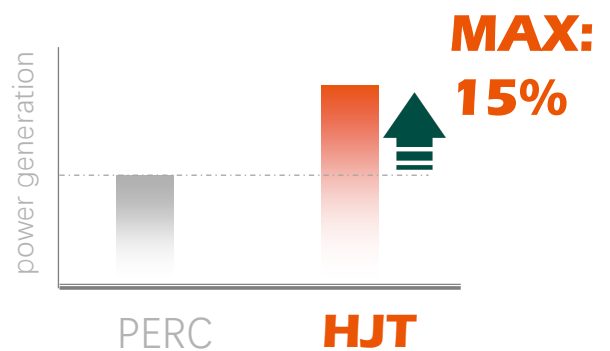


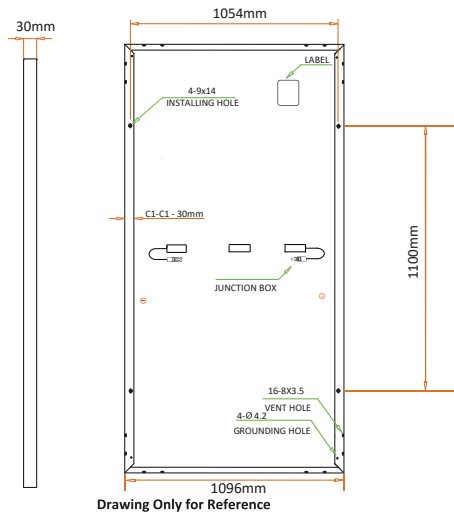
Complete System
and IEC Product Certification

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



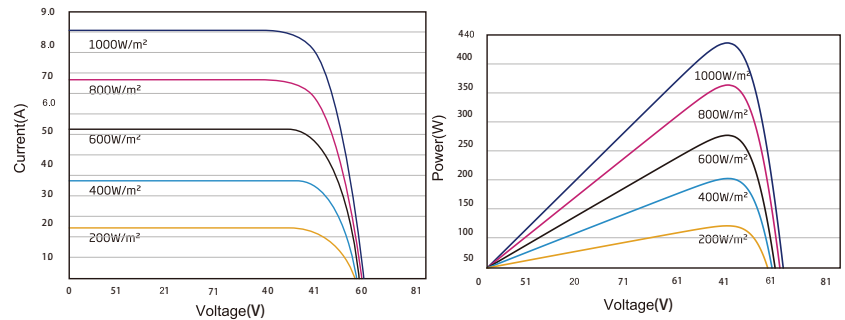
30-Year excess linear power output warranty





RS81-410~430HBG-E1

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Electrical Characteristics STC	RS81-410HBG-E1	RS81-415HBG-E1	RS81-420HBG-E1	RS81-425HBG-E1	RS81-430HBG-E1
Maximum Power (Pmax)	410W	415W	420W	425W	430W
Power Tolerance	0~+5W	0~+5W	0~+5W	0~+5W	0~+5W
Module Efficiency	21.30%	21.60%	21.80%	22.10%	22.37%
Maximum Power Current (Imp)	16.08A	16.18A	16.29A	16.42A	16.54A
Maximum Power Voltage (Vmp)	25.50V	25.70V	25.80V	25.90V	26.00V
Short Circuit Current (Isc)	17.09A	17.19A	17.29A	17.39A	17.52A
Open Circuit Voltage (Voc)	29.80V	29.90V	30.10V	30.20V	30.30V

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

Electrical Characteristics NOCT	RS81-410HBG-E1	RS81-415HBG-E1	RS81-420HBG-E1	RS81-425HBG-E1	RS81-430HBG-E1
Maximum Power (Pmax)	310W	313W	317W	321W	325W
Maximum Power Current (Imp)	12.94A	13.04A	13.12A	13.20A	13.28A
Maximum Power Voltage (Vmp)	23.90V	24.10V	24.20V	24.30V	24.40V
Short Circuit Current (Isc)	13.80A	13.88A	13.96A	14.02A	14.10A
Open Circuit Voltage (Voc)	28.40V	28.60V	28.70V	28.80V	28.90V

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

Mechanical Characteristics

Cell Type	MonoHJT-Type, 210×210(±1)mm, 80(5×16) half-cut cells
Glass	2mm, Double AR Coated Heat Strengthened Glass
Frame	Anodized Aluminum Alloy
Junction Box	IP68 Rated
Dimension	1754×1096×30mm
Output Cable	4 mm2 (EU),300 mm,length can be customized
Weight	23.5kg
Connector	MC4 compatible

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

