ReneSola

Virtus® II

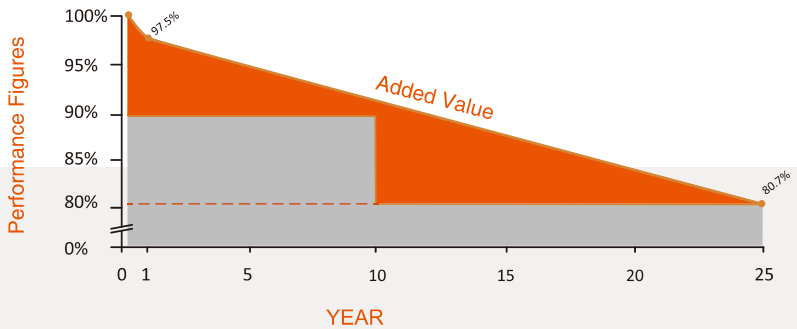
Virtus®II Module

290W/295W/ 300W/305W/310W

- High Module Conversion Efficiencies
- Easy Installation and Handling for Various Applications
- Test Mechanical Load Capability up to 5400 Pa
- Conforms with IEC 61215-1:2016, IEC 61215-1-1:2016, IEC 61215-2:2016, IEC 61730-1:2016, IEC 61730-2:2016, UL 1703 PV Standards
- ISO9001, ISO14001, OHSAS18001 Certified
- Application Class A, Safety Class II, Fire Rating Class C

Also Applicable For Modules With Black Frame and Diamond Wire Slicing Wafer

Guarantee



10 -year material& workmanship

25 -year linear power output

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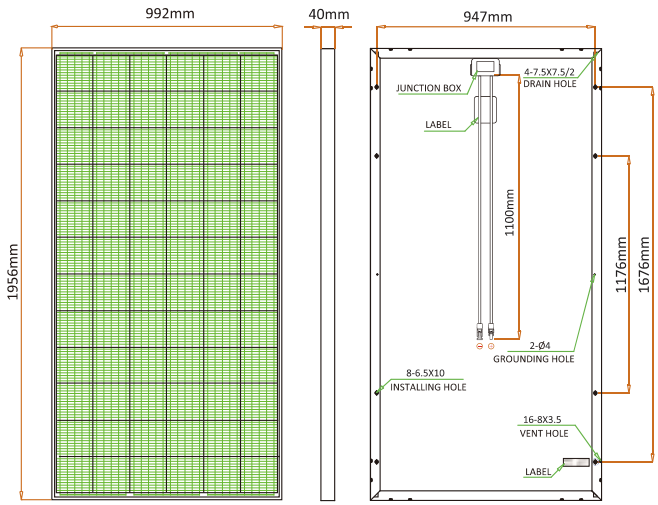
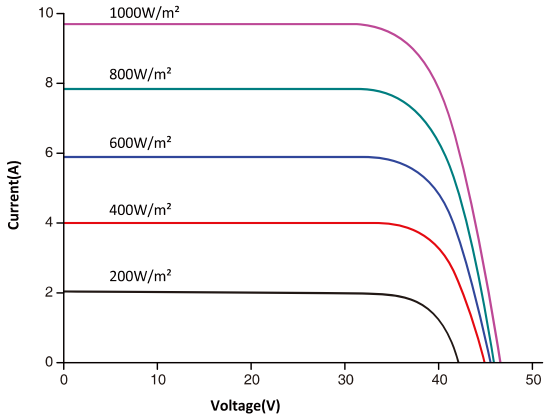
Mounting Drawings



Drawing Only For Reference

I-V Curves



Electrical Characteristics STC	JC290M-24/Abs	JC295M-24/Abs	JC300M-24/Abs	JC305M-24/Abs	JC310M-24/Abs
Maximum Power (Pmax)	290 W	295 W	300 W	305 W	310 W
Power Tolerance	0 ~ +5W	0 ~ +5W	0 ~ +5W	0 ~ +5W	0 ~ +5W
Module Efficiency	14.95%	15.20%	15.46%	15.72%	15.98%
Maximum Power Current (Imp)	8.30 A	8.36 A	8.45 A	8.50 A	8.60 A
Maximum Power Voltage (Vmp)	35.5 V	35.7V	36.0 V	36.1V	36.1 V
Short Circuit Current (Isc)	8.89 A	8.93 A	9.03 A	9.05 A	9.11 A
Open Circuit Voltage (Voc)	44.7 V	44.8V	45.0 V	45.1V	45.1V

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

Electrical Characteristics NOCT	JC290M-24/Abs	JC295M-24/Abs	JC300M-24/Abs	JC305M-24/Abs	JC310M-24/Abs
Maximum Power (Pmax)	215 W	219 W	222 W	226 W	230 W
Maximum Power Current (Imp)	6.52 A	6.57 A	6.67A	6.72 A	6.80 A
Maximum Power Voltage (Vmp)	33.0 V	33.3 V	33.4 V	33.6V	33.8V
Short Circuit Current (Isc)	6.91 A	6.96A	7.02 A	7.04 A	7.10 A
Open Circuit Voltage (Voc)	41.7 V	41.8V	41.9 V	42.0 V	42.1 V

Values at Normal Operating Cell Temperature, Irradiance of 800W/m², AM1.5, Ambient Temperature 20°C, Wind Speed 1m/s.

Mechanical Characteristics

Cell Type	Polycrystalline,156 x156 mm, 72 (6x12) pcs in series
Glass	High Transmission, Low Iron, Tempered Glass
Frame	Anodized Aluminum Alloy
Junction Box	IP67 Rated, With Bypass Diodes
Dimension	*1956 x 992 x 40 mm
Output Cable	4 mm² (EU), 1100mm
Weight	27 kg
Installation Hole Location	See Drawing Above
Connector 1	PV-JM601A

Characteristics

Temperature Coefficient of Voc	-0.30% /°C
Temperature Coefficient of Isc	0.04% /°C
Temperature Coefficient of Pmax	-0.40% /°C
Nominal Operating Cell Temperature (NOCT)	45°C ± 2°C

Packing Information

Container	20' GP	40'GP	40'HQ
Pallets per Container	10	24	24
Pieces per Container	260/250	624/600	684/660

Maximum Ratings

Operating Temperature	-40°C~+ 85°C
Maximum System Voltage	1000VDC
Maximum Series Fuse Rating	20A

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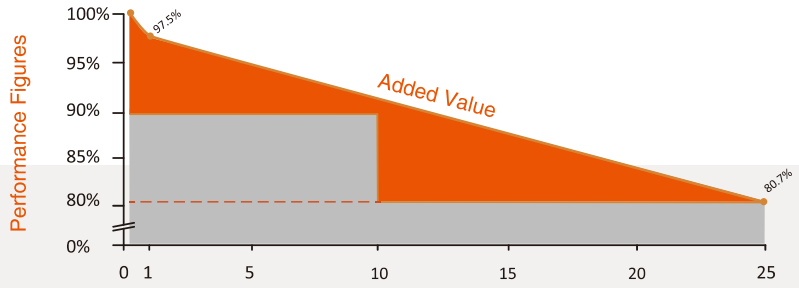
Guarantee



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linear power output

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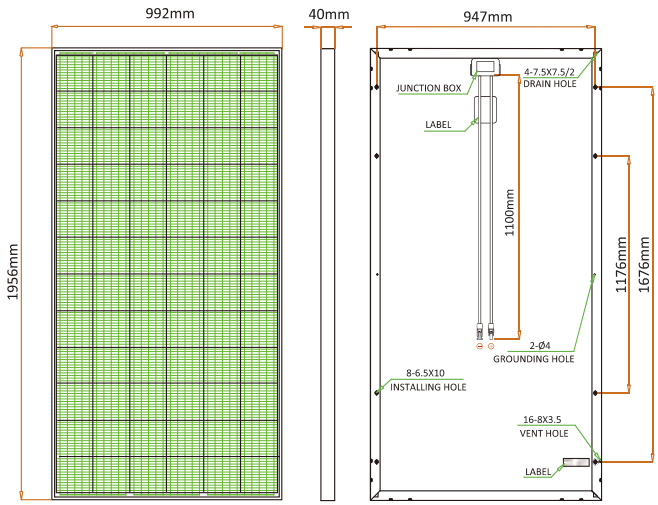
315W/320W/325W/330W

Mounting Drawings



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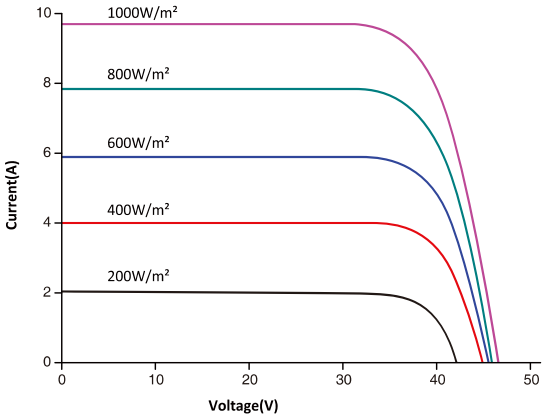

Electrical Characteristics STC	JC315M-24/Abs	JC320M-24/Abs	JC325M-24/Abs	JC330M-24/Abs
Maximum Power (Pmax)	315 W	320 W	325 W	330 W
Power Tolerance	0 ~ +5W	0 ~ +5W	0 ~ +5W	0 ~ +5W
Module Efficiency	16.23%	16.49%	16.75%	17.01%
Maximum Power Current (Imp)	8.63 A	8.68 A	8.72 A	8.78 A
Maximum Power Voltage (Vmp)	36.5 V	36.9 V	37.3 V	37.6 V
Short Circuit Current (Isc)	9.14 A	9.20 A	9.29 A	9.34 A
Open Circuit Voltage (Voc)	45.4 V	45.6 V	45.8 V	46.1V

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

Electrical Characteristics NOCT	JC315M-24/Abs	JC320M-24/Abs	JC325M-24/Abs	JC330M-24/Abs
Maximum Power (Pmax)	234 W	238 W	241 W	244 W
Maximum Power Current (Imp)	6.90 A	6.95 A	7.03A	7.10A
Maximum Power Voltage (Vmp)	34.0 V	34.3 V	34.4 V	34.4V
Short Circuit Current (Isc)	7.17 A	7.30 A	7.50 A	7.57 A
Open Circuit Voltage (Voc)	42.5 V	42.7V	42.9 V	43.0 V

Values at Normal Operating Cell Temperature, Irradiance of 800W/m², AM1.5, Ambient Temperature 20°C, Wind Speed 1m/s.

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