

## Virtus<sup>®</sup> II Module

310W/315W/320W/325W/330W



High Module Conversion Efficiencies



Easy Installation and Handling for Various Applications



Mechanical Load Capability up to 5400 Pa



Conforms with IEC 61215:2005,  
IEC 61730:2004, UL 1703 PV Standards



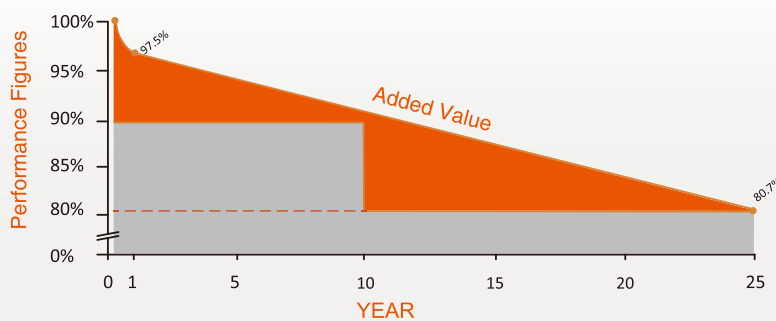
ISO9001, ISO14001, OHSAS18001 Certified



Application Class A, Safety Class II, Fire Rating Class C



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

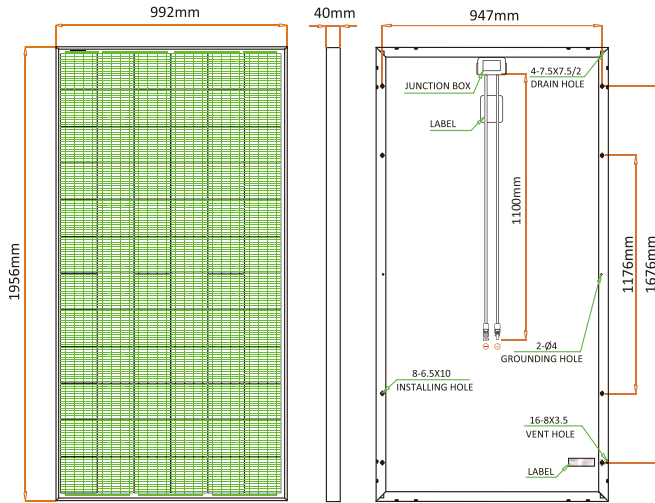


**10 -year**  
material & workmanship

**25 -year**  
linear power output

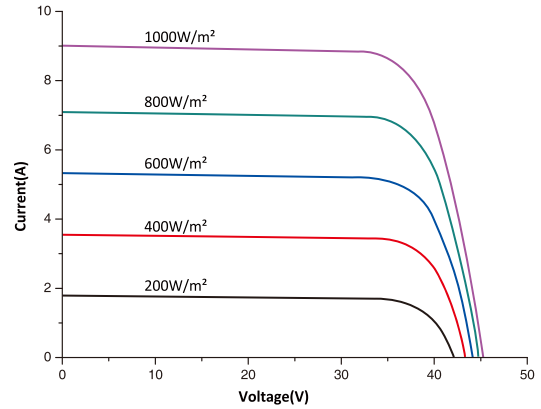


#### Mounting Drawings



Drawing Only For Reference

#### I-V Curves



#### Electrical Characteristics STC

	JC310M-24/Abs	JC315M-24/Abs	JC320M-24/Abs	JC325M-24/Abs	JC330M-24/Abs
Maximum Power(Pmax)	310W	315W	320W	325W	330W
Power Tolerance	0 ~+5W	0 ~+5W	0 ~+5W	0 ~+5W	0 ~+5W
Module Efficiency	15.98%	16.23%	16.48%	16.73%	17.01%
Maximum Power Current(Imp)	8.38A	8.45A	8.56A	8.67A	8.78A
Maximum Power Voltage(Vmp)	37.0V	37.3V	37.4V	37.5V	37.6V
Short Circuit Current(Isc)	8.80A	8.88A	9.00A	9.09A	9.35A
Open Circuit Voltage(Voc)	45.0V	45.4V	45.6V	45.9V	46.4V

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

#### Electrical Characteristics NOCT

	JC310M-24/Abs	JC315M-24/Abs	JC320M-24/Abs	JC325M-24/Abs	JC330M-24/Abs
Maximum Power (Pmax)	230W	234W	238W	241W	244W
Maximum Power Current (Imp)	6.81A	6.89A	6.94A	7.01A	7.10A
Maximum Power Voltage (Vmp)	33.7V	34.0V	34.3V	34.4V	34.4V
Short Circuit Current (Isc)	7.12A	7.16A	7.20A	7.50A	7.55A
Open Circuit Voltage (Voc)	42.2V	42.5V	42.7V	42.9V	43.1V

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

#### Mechanical Characteristics

Cell Type	Virtus®II(Polycrystalline) 156x156 (±1)mm, 72(6x12) pcs in series
Glass	High Transmission, Low Iron, Tempered Glass
Frame	Anodized Aluminum Alloy
Junction Box	IP67/IP68 Rated
Dimension	*1956x992x40 mm
Output Cable	4 mm²(EU)/12 AWG(US), 1100mm
Weight	27kg
Installation Hole Location	See Drawing Above

#### 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

Rev No : JC/TDS/201705 \* Contact Renesola for more product information.  
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