

Virtus[®] Module

250W, 255W, 260W



High Module Conversion Efficiencies



Easy Installation and Handling



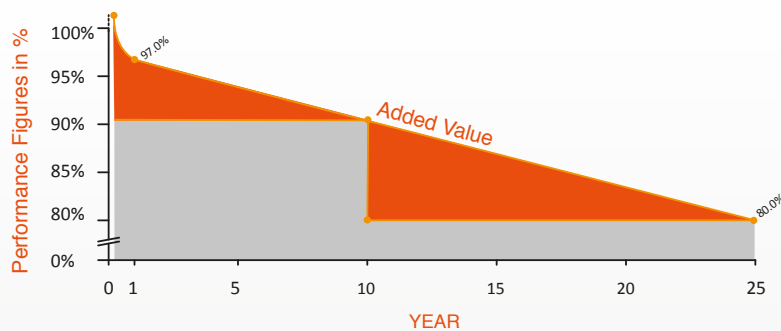
Mechanical Load Capability of up to 5400 Pa



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



ISO9001, OHSAS18001, ISO14001 Certified

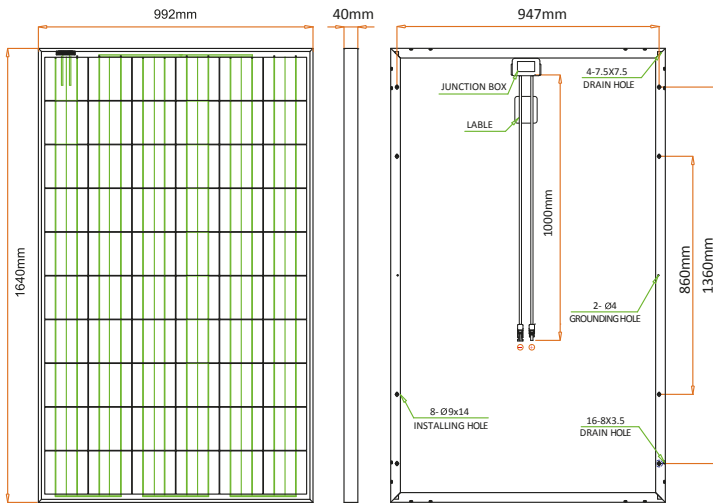


10-year
material & workmanship

25-year
linear power output

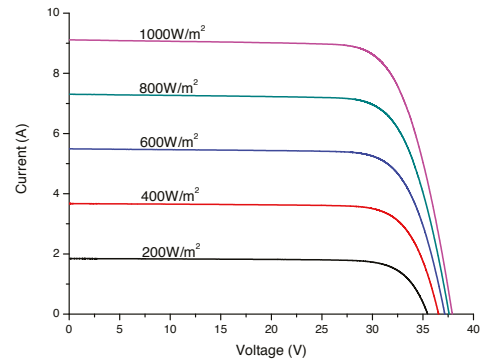


Dimensions



Drawing Only for Reference

I-V Curves



Varied Irradiation Efficiencies

Irradiance	200W/m ²	400W/m ²	600W/m ²	800W/m ²	1000W/m ²
Efficiency	15.7%	16.0%	16.1%	16.1%	16.0%

Electrical Characteristics STC

	JC250M-24/Bbv	JC255M-24/Bbv	JC260M-24/Bbv
Maximum Power (Pmax)	250 W	255 W	260 W
Power Tolerance	0 ~ +5W	0 ~ +5W	0 ~ +5W
Module Efficiency	15.4%	15.7%	16.0%
Maximum Power Current (Imp)	8.29 A	8.43 A	8.56 A
Maximum Power Voltage (Vmp)	30.2 V	30.3 V	30.4 V
Short Circuit Current (Isc)	8.84 A	8.98 A	9.09 A
Open Circuit Voltage (Voc)	37.3 V	37.4 V	37.6 V

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

Electrical Characteristics NOCT

	JC250M-24/Bbv	JC255M-24/Bbv	JC260M-24/Bbv
Maximum Power (Pmax)	186 W	189 W	193 W
Maximum Power Current (Imp)	6.59 A	6.69 A	6.77 A
Maximum Power Voltage (Vmp)	28.2 V	28.2 V	28.5 V
Short Circuit Current (Isc)	7.13 A	7.20 A	7.27 A
Open Circuit Voltage (Voc)	35.0 V	35.0 V	35.2 V

Values at Normal Operating Cell Temperature, Irradiance of 800 W/m², spectrum AM 1.5, ambient temperature 20°C, wind speed 1 m/s

Mechanical Characteristics

Cell Type	156 x156 mm Virtus, 60 (6x10) pcs in series	
Glass	High Transmission, Low Iron, Tempered Glass	
Frame	Anodized Aluminum Alloy	
Junction Box	IP65/IP67 rated, with bypass diodes	
Dimension	*1640 x 992 x 40 mm	
Output Cable	4 mm ² (EU)/12 AWG (US), 1000 mm	
Weight	19 Kg	
Installation Hole Location	See Drawing Above	

Characteristics

Temperature Coefficient of Voc	-0.29%/°C
Temperature Coefficient of Isc	0.04%/°C
Temperature Coefficient of Pmax	-0.39%/°C
Nominal Operating Cell Temperature (NOCT)	45°C±2°C

Packing Information

	20' GP	40' GP	40' HQ
Container	20' GP	40' GP	40' HQ
Pallets per Container	12	28	28
Pieces per Container	300	700	770

Maximum Ratings

Operating Temperature	-40°C ~ +85°C
Maximum System Voltage	1000VDC (EU) / 600VDC (US)
Maximum Series Fuse Rating	20A (EU) / 15A (US)

Rev No: JC/TDS/2012.11 *Contact ReneSola for tolerance specification
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