

## Virtus<sup>®</sup> II Module

240W, 245W, 250W, 255W, 260W



**High Module Conversion Efficiencies**



**Easy Installation and Handling for Various Applications**



**Mechanical Load Capability of up to 5400 Pa**



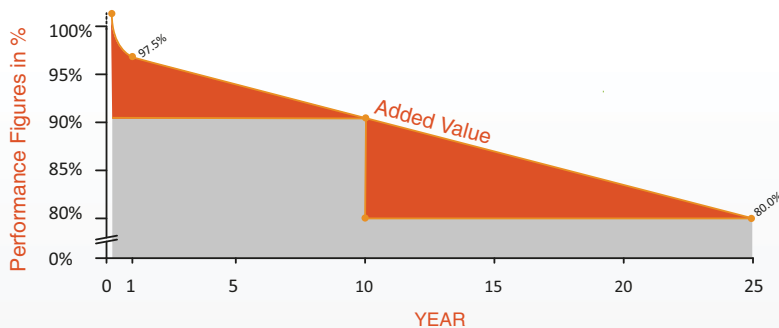
**Conforms with IEC 61215:2005,  
IEC 61730: 2004, UL 1703 PV Standards**



**ISO9001, OHSAS18001, ISO14001 Certified**



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



**10-year**  
material & workmanship

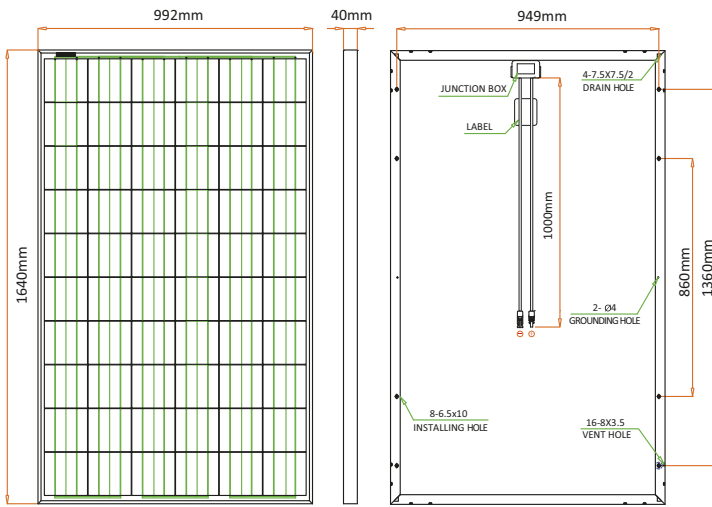
**25-year**  
linear power output



APPROVED PRODUCT

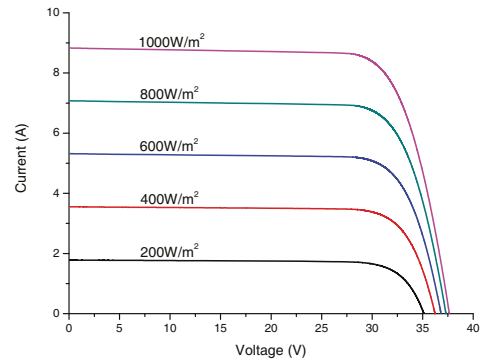


### Dimensions



Drawing Only for Reference

### I-V Curves



### Varied Irradiation Efficiencies

Irradiance	200W/m <sup>2</sup>	400W/m <sup>2</sup>	600W/m <sup>2</sup>	800W/m <sup>2</sup>	1000W/m <sup>2</sup>
Efficiency	15.8%	16.2%	16.2%	16.1%	16.0%

### Electrical Characteristics STC

	JC240M-24/Bb	JC245M-24/Bb	JC250M-24/Bb	JC255M-24/Bb	JC260M-24/Bb
Maximum Power (Pmax)	240 W	245 W	250 W	255 W	260 W
Power Tolerance	0 ~ +5W	0 ~ +5W	0 ~ +5W	0 ~ +5W	0 ~ +5W
Module Efficiency	14.8%	15.1%	15.4%	15.7%	16.0%
Maximum Power Current (Imp)	8.08 A	8.19 A	8.31 A	8.39 A	8.53 A
Maximum Power Voltage (Vmp)	29.7 V	29.9 V	30.1 V	30.4 V	30.5 V
Short Circuit Current (Isc)	8.64 A	8.73 A	8.83 A	8.86 A	8.95 A
Open Circuit Voltage (Voc)	37.2 V	37.3 V	37.4 V	37.5 V	37.6 V

Values at Standard Test Conditions STC (Air Mass AM1.5, Irradiance 1000W/m<sup>2</sup>, Cell Temperature 25°C)

### Electrical Characteristics NOCT

	JC240M-24/Bb	JC245M-24/Bb	JC250M-24/Bb	JC255M-24/Bb	JC260M-24/Bb
Maximum Power (Pmax)	178 W	182 W	185 W	189 W	193 W
Maximum Power Current (Imp)	6.51 A	6.53 A	6.57 A	6.63 A	6.74 A
Maximum Power Voltage (Vmp)	27.4 V	27.9 V	28.2 V	28.5 V	28.6 V
Short Circuit Current (Isc)	6.97 A	7.04 A	7.12 A	7.20 A	7.27 A
Open Circuit Voltage (Voc)	34.7 V	35.0 V	35.0 V	35.1 V	35.2 V

Values at Normal Operating Cell Temperature, Irradiance of 800 W/m<sup>2</sup>, spectrum AM 1.5, ambient temperature 20°C, wind speed 1 m/s

### Mechanical Characteristics

Cell Type	156 x156 mm Polycrystalline, 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 <sup>2</sup> (EU)/12 AWG (US), 1000 mm
Weight	18.5 Kg
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

	20' GP	40' GP	40' HQ
Container			
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) / 20A (US)

Rev No: JC/TDS/2013.02 For TBEA \*Contact ReneSola for tolerance specification  
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