

## 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**



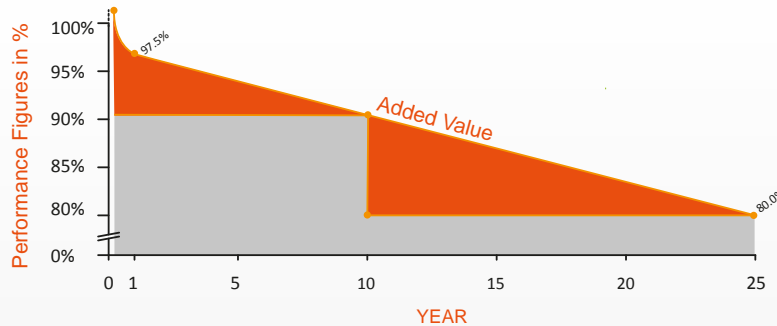
**Conforms with IEC 61215:2005,  
IEC 61730: 2004, UL 1703 PV Standards**



**ISO9001, OHSAS18001, ISO14001 Certified**



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



**10-year**  
material & workmanship

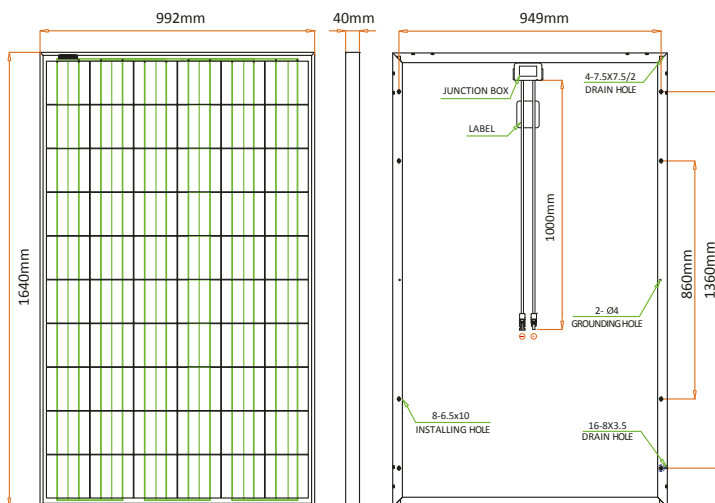
**25-year**  
linear power output



APPROVED PRODUCT

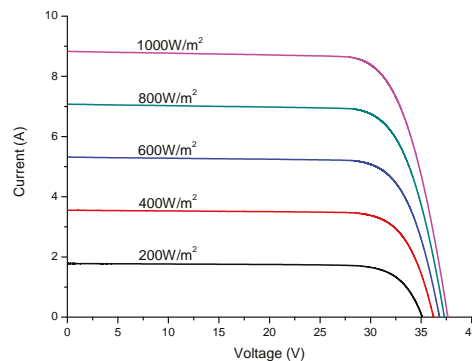


### Dimensions



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

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

Rev No: JC/TDS/2013.02 For TBEA \*Contact ReneSola for tolerance specification  
CAUTION: All rights reserved. Design and specification are subject to change without prior notice.

### Maximum Ratings

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