

## Virtus<sup>®</sup> Module

250W, 255W, 260W



High Module Conversion Efficiencies



Easy Installation and Handling



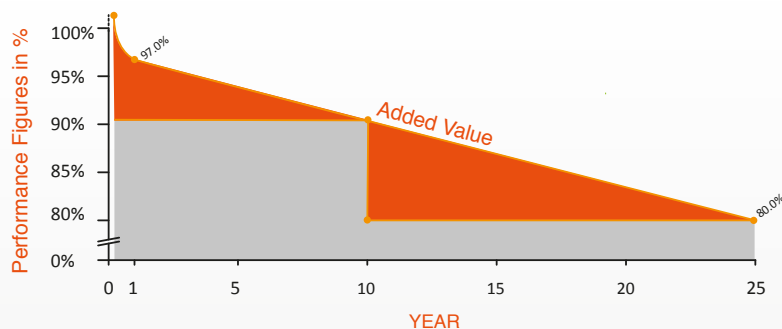
Mechanical Load Capability of up to 5400 Pa



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



ISO9001, OHSAS18001, ISO14001 Certified

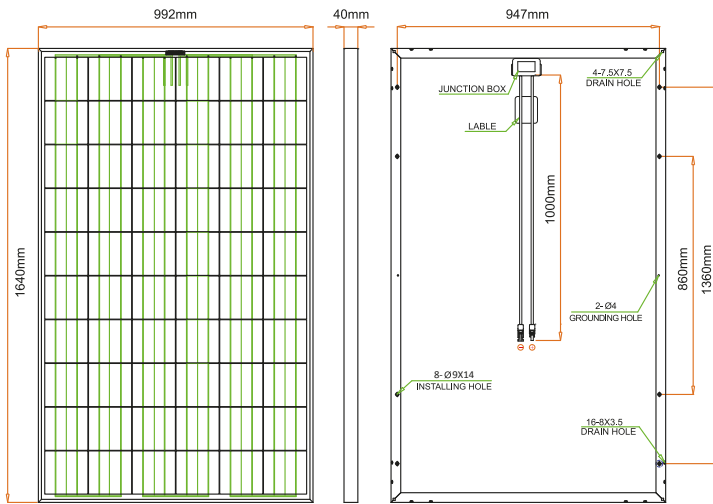


**10-year**  
material & workmanship

**25-year**  
linear power output

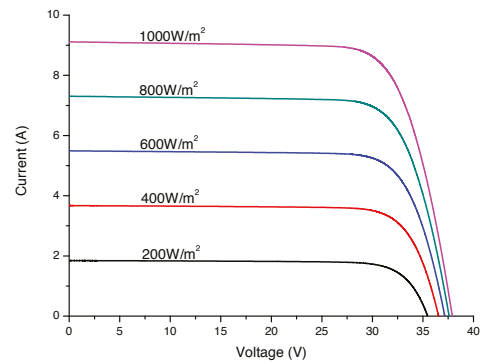


#### Dimensions



Drawing Only for Reference

#### I-V Curves



#### Varied Irradiation Efficiencies

| Irradiance | 200W/m <sup>2</sup> | 400W/m <sup>2</sup> | 600W/m <sup>2</sup> | 800W/m <sup>2</sup> | 1000W/m <sup>2</sup> |
|------------|---------------------|---------------------|---------------------|---------------------|----------------------|
| Efficiency | 15.7%               | 16.0%               | 16.1%               | 16.1%               | 16.0%                |

#### Electrical Characteristics STC

|  | JC250M-24/Bbv | JC255M-24/Bbv | JC260M-24/Bbv |
|--|---------------|---------------|---------------|
| Maximum Power (P <sub>max</sub> )        | 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 (I <sub>mp</sub> ) | 8.29 A        | 8.43 A        | 8.56 A        |
| Maximum Power Voltage (V <sub>mp</sub> ) | 30.2 V        | 30.3 V        | 30.4 V        |
| Short Circuit Current (I <sub>sc</sub> ) | 8.84 A        | 8.98 A        | 9.09 A        |
| Open Circuit Voltage (V <sub>oc</sub> )  | 37.3 V        | 37.4 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

|  | JC250M-24/Bbv | JC255M-24/Bbv | JC260M-24/Bbv |
|--|---------------|---------------|---------------|
| Maximum Power (P <sub>max</sub> )        | 186 W         | 189 W         | 193 W         |
| Maximum Power Current (I <sub>mp</sub> ) | 6.59 A        | 6.69 A        | 6.77 A        |
| Maximum Power Voltage (V <sub>mp</sub> ) | 28.2 V        | 28.2 V        | 28.5 V        |
| Short Circuit Current (I <sub>sc</sub> ) | 7.13 A        | 7.20 A        | 7.27 A        |
| Open Circuit Voltage (V <sub>oc</sub> )  | 35.0 V        | 35.0 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 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 <sup>2</sup> (EU)/12 AWG (US), 1000 mm |
| Weight                     | 19 Kg                                       |
| Installation Hole Location | See Drawing Above                           |

#### Characteristics

|   |           |
|---|-----------|
| Temperature Coefficient of V <sub>oc</sub>  | -0.29%/°C |
| Temperature Coefficient of I <sub>sc</sub>  | 0.04%/°C  |
| Temperature Coefficient of P <sub>max</sub> | -0.39%/°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    |

#### 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/2012.06 \*Contact ReneSola for tolerance specification  
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