

ReneSola

156 Series Monocrystalline Solar Module

250W, 255W, 260W



High Module Conversion Efficiencies



Easy Installation and Handling for Various Applications



Mechanical Load Capability of up to 5400Pa



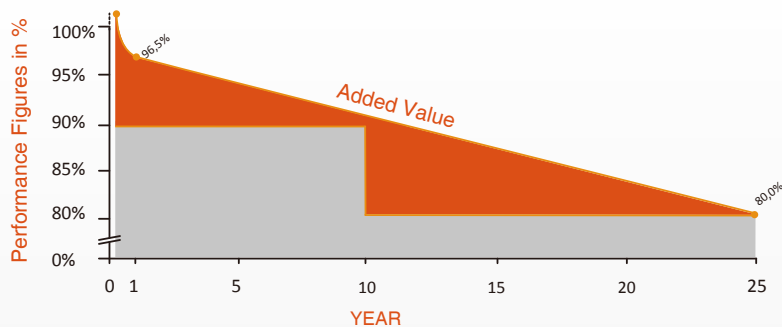
**Conforms with IEC 61215:2005,
IEC 61730: 2004, UL 1703 PV Standards**



ISO9001, OHSAS18001, ISO14001 Certified



Application Class A, Safety Class II, Fire Rating C



10-year
material & workmanship

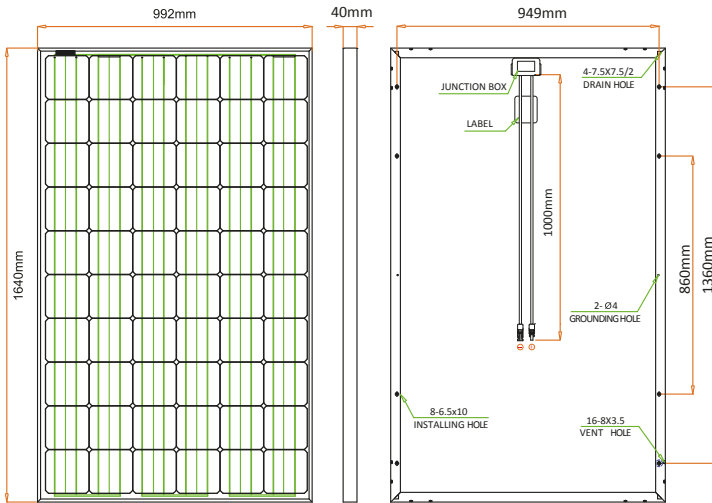
25-year
linear power output



APPROVED PRODUCT

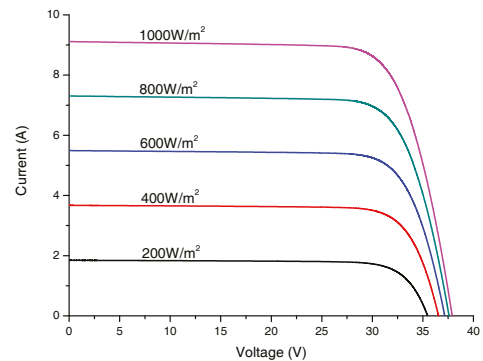


Dimensions



Drawing Only for Reference

I-V Curves



Varied Irradiation Efficiencies

| Irradiance | 200W/m ² | 400W/m ² | 600W/m ² | 800W/m ² | 1000W/m ² |
|------------|---------------------|---------------------|---------------------|---------------------|----------------------|
| Efficiency | 15.9% | 16.2% | 16.2% | 16.1% | 16.0% |

Electrical Characteristics STC

| | JC250S-24/Bb-b | JC255S-24/Bb-b | JC260S-24/Bb-b |
|-----------------------------|----------------|----------------|----------------|
| 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) | 8.32 A | 8.44 A | 8.55 A |
| Maximum Power Voltage (Vmp) | 30.1 V | 30.2 V | 30.4 V |
| Short Circuit Current (Isc) | 8.87 A | 8.99 A | 9.10 A |
| Open Circuit Voltage (Voc) | 37.5 V | 37.6 V | 37.7 V |

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

Electrical Characteristics NOCT

| | JC250S-24/Bb-b | JC255S-24/Bb-b | JC260S-24/Bb-b |
|-----------------------------|----------------|----------------|----------------|
| Maximum Power (Pmax) | 184 W | 188 W | 191 W |
| Maximum Power Current (Imp) | 6.57 A | 6.62 A | 6.66 A |
| Maximum Power Voltage (Vmp) | 28.0 V | 28.4 V | 28.7 V |
| Short Circuit Current (Isc) | 7.15 A | 7.21 A | 7.28 A |
| Open Circuit Voltage (Voc) | 35.1 V | 35.2 V | 35.3 V |

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

Mechanical Characteristics

| | |
|----------------------------|------------------------------------------------------|
| Cell Type | 156 x156 mm Monocrystalline, 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 | -0.31%/°C |
| Temperature Coefficient of Isc | 0.03%/°C |
| Temperature Coefficient of Pmax | -0.43%/°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/2014.05 *Contact Renesola for tolerance specification
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Maximum Ratings

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