

# ReneSola

## 156 Series Monocrystalline Solar Module

270W, 275W



High Module Conversion Efficiencies



Easy Installation and Handling for Various Applications



Mechanical Load Capability of up to 5400 Pa



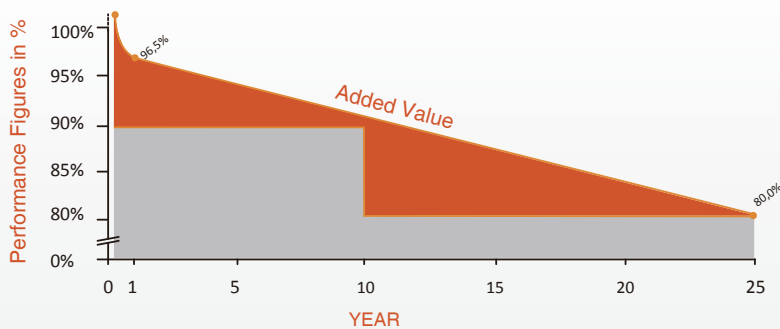
Conforms with IEC 61215:2005,  
IEC 61730:2004 PV Standards



ISO9001, OHSAS18001, ISO14001 Certified



Application Class A, Safety Class II, Fire Rating C



**10-year**  
material & workmanship

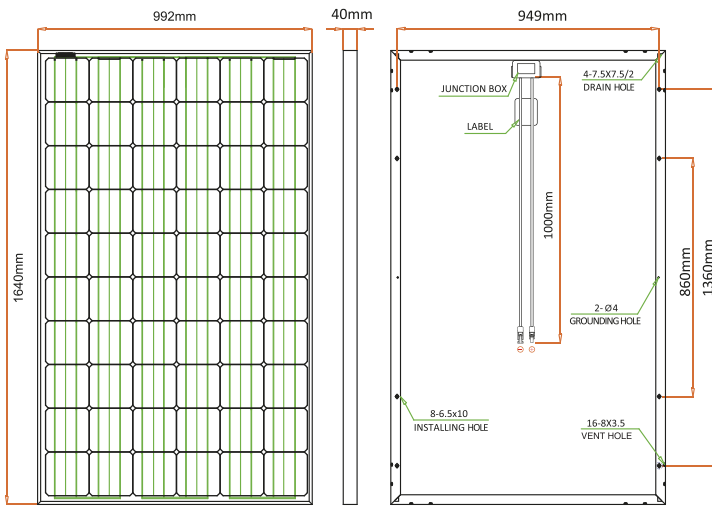
**25-year**  
linear power output



APPROVED PRODUCT

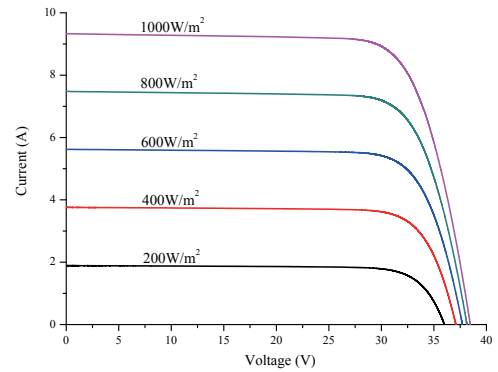


#### Dimensions



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	16.9%	17.2%	17.2%	17.0%	16.9%

#### Electrical Characteristics STC

	JC270S-24/Bb	JC275S-24/Bb
Maximum Power (P <sub>max</sub> )	270 W	275 W
Power Tolerance	0 ~ +5W	0 ~ +5W
Module Efficiency	16.6%	16.9%
Maximum Power Current (I <sub>mp</sub> )	8.77 A	8.87 A
Maximum Power Voltage (V <sub>mp</sub> )	30.8 V	31.0 V
Short Circuit Current (I <sub>sc</sub> )	9.28 A	9.35 A
Open Circuit Voltage (V <sub>oc</sub> )	38.1 V	38.3 V

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

#### Electrical Characteristics NOCT

	JC270S-24/Bb	JC275S-24/Bb
Maximum Power (P <sub>max</sub> )	199 W	203 W
Maximum Power Current (I <sub>mp</sub> )	6.74 A	6.78 A
Maximum Power Voltage (V <sub>mp</sub> )	29.5 V	29.9 V
Short Circuit Current (I <sub>sc</sub> )	7.43 A	7.50 A
Open Circuit Voltage (V <sub>oc</sub> )	35.5 V	35.6 V

Values at Normal Operating Cell Temperature, Irradiance of 800W/m<sup>2</sup>, AM1.5, Ambient Temperature 20°C, Wind Speed 1m/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 <sup>2</sup> (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 I <sub>sc</sub>	0.03%/°C
Temperature Coefficient of P <sub>max</sub>	-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

#### 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/2015.01 \*Contact ReneSola for tolerance specification  
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# ReneSola

## 156 Series Monocrystalline Solar Module

250W, 255W, 260W, 265W



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



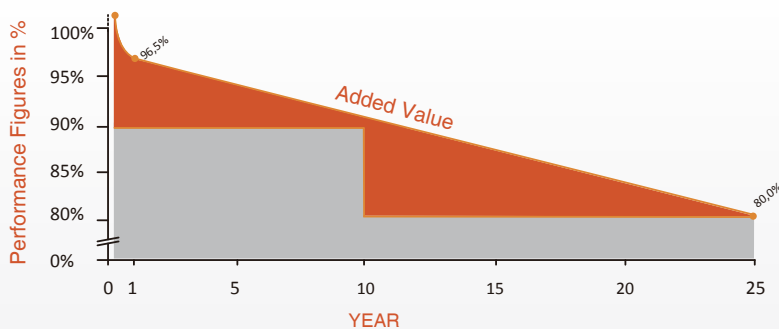
ISO9001, OHSAS18001, ISO14001 Certified



Application Class A, Safety Class II, Fire Rating C



Also Applicable For Module With Black Frame



**10-year**  
material & workmanship

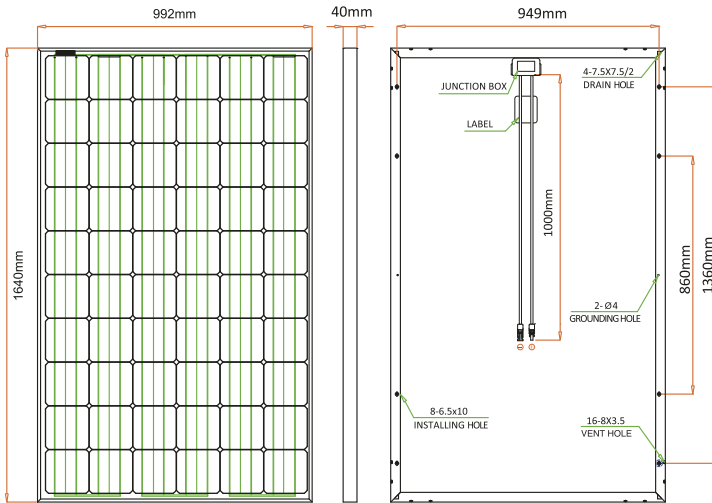
**25-year**  
linear power output



APPROVED PRODUCT

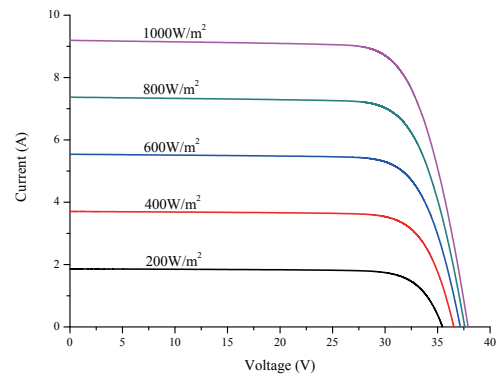


#### Dimensions



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#### I-V Curves



#### Varied Irradiation Efficiencies

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Efficiency	16.3%	16.6%	16.6%	16.5%	16.3%

#### Electrical Characteristics STC

	JC250S-24/Bb	JC255S-24/Bb	JC260S-24/Bb	JC265S-24/Bb
Maximum Power (Pmax)	250 W	255 W	260 W	265 W
Power Tolerance	0 ~ +5W	0 ~ +5W	0 ~ +5W	0 ~ +5W
Module Efficiency	15.4%	15.7%	16.0%	16.3%
Maximum Power Current (Imp)	8.32 A	8.44 A	8.55 A	8.66 A
Maximum Power Voltage (Vmp)	30.1 V	30.2 V	30.4 V	30.6 V
Short Circuit Current (Isc)	8.87 A	8.99 A	9.10 A	9.19 A
Open Circuit Voltage (Voc)	37.5 V	37.6 V	37.7 V	37.9 V

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

#### Electrical Characteristics NOCT

	JC250S-24/Bb	JC255S-24/Bb	JC260S-24/Bb	JC265S-24/Bb
Maximum Power (Pmax)	184 W	188 W	191 W	195 W
Maximum Power Current (Imp)	6.57 A	6.62 A	6.66 A	6.70 A
Maximum Power Voltage (Vmp)	28.0 V	28.4 V	28.7 V	29.1 V
Short Circuit Current (Isc)	7.15 A	7.21 A	7.28 A	7.36 A
Open Circuit Voltage (Voc)	35.1 V	35.2 V	35.3 V	35.4 V

Values at Normal Operating Cell Temperature, Irradiance of 800W/m<sup>2</sup>, AM1.5, Ambient Temperature 20°C, wind speed 1m/s.

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