

# ReneSola

## 156 Series Monocrystalline Solar Module

250W, 255W, 260W



High Module Conversion Efficiencies



Easy Installation and Handling



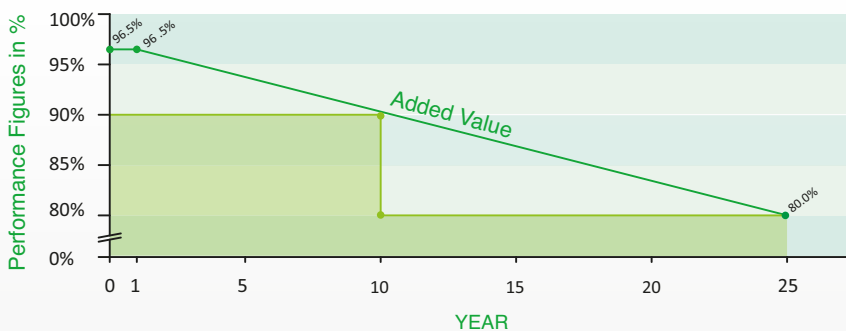
Mechanical Load Capability of up to 5400 Pa



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



ISO9001, OHSAS18001, ISO14001 Certified



● Linear Performance Warranty

● Traditional Warranty

10-year

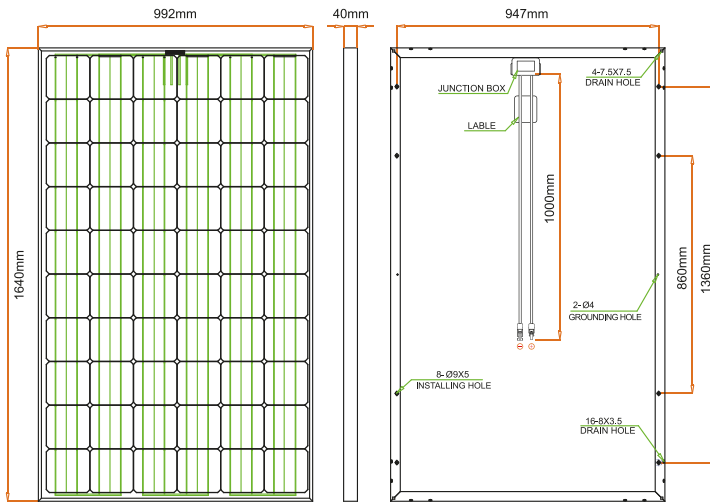
material & workmanship

25-year

linear power output

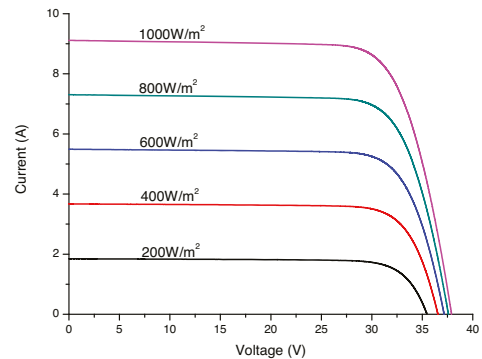


#### Dimensions



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	15.9%	16.2%	16.2%	16.1%	16.0%

#### Electrical Characteristics STC

	JC250S-24/Bb	JC255S-24/Bb	JC260S-24/Bb
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 (Air Mass AM1.5, Irradiance 1000W/m<sup>2</sup>, Cell Temperature 25°C)

#### Electrical Characteristics NOCT

	JC250S-24/Bb	JC255S-24/Bb	JC260S-24/Bb
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/m<sup>2</sup>, spectrum 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 <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 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/2012.06 \*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) / 15A (US)