

Virtus[®] II Module

250W, 255W, 260W



High Module Conversion Efficiencies



Easy Installation and Handling for Various Applications



Mechanical Load Capability of up to 5400 Pa



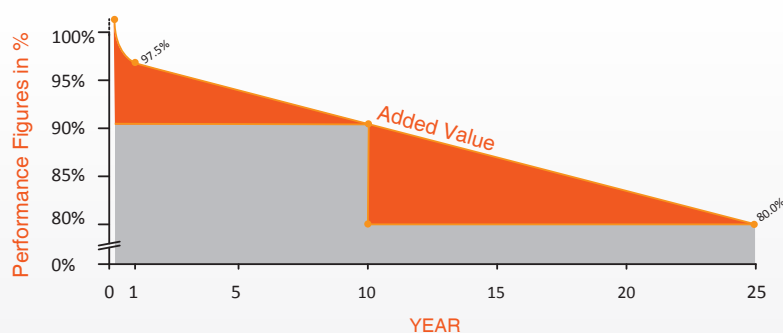
Conforms with IEC 61215:2005,
IEC 61730: 2004, UL 1703 PV Standards



ISO9001, OHSAS18001, ISO14001 Certified



Application Class A, Safety Class II, Fire Rating C



10-year

material & workmanship

25-year

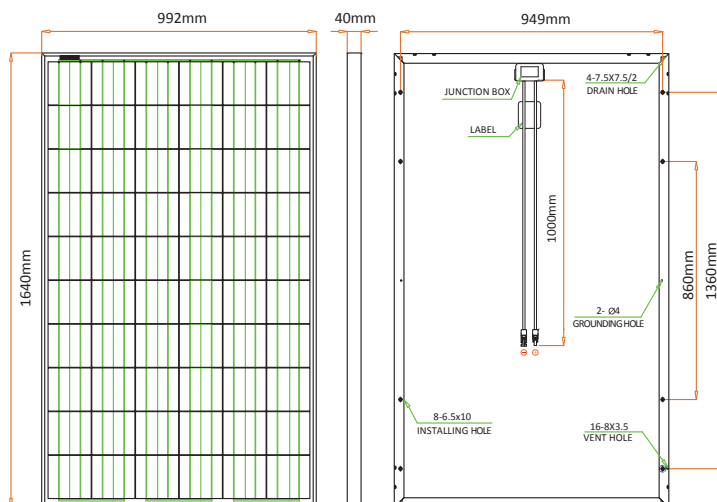
linear power output



APPROVED PRODUCT

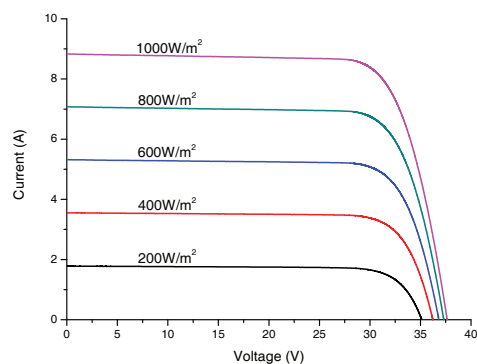


Dimensions



Drawing Only for Reference

I-V Curves



Varied Irradiation Efficiencies

Irradiance	200W/m ²	400W/m ²	600W/m ²	800W/m ²	1000W/m ²
Efficiency	15.8%	16.2%	16.2%	16.1%	16.0%

Electrical Characteristics STC

	JC250M-24/Bb	JC255M-24/Bb	JC260M-24/Bb
Maximum Power (P _{max})	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 _{mp})	8.31 A	8.39 A	8.53 A
Maximum Power Voltage (V _{mp})	30.1 V	30.4 V	30.5 V
Short Circuit Current (I _{sc})	8.83 A	8.86 A	8.95 A
Open Circuit Voltage (V _{oc})	37.4 V	37.5 V	37.6 V

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

Electrical Characteristics NOCT

	JC250M-24/Bb	JC255M-24/Bb	JC260M-24/Bb
Maximum Power (P _{max})	185 W	189 W	193 W
Maximum Power Current (I _{mp})	6.57 A	6.63 A	6.74 A
Maximum Power Voltage (V _{mp})	28.2 V	28.5 V	28.6 V
Short Circuit Current (I _{sc})	7.12 A	7.20 A	7.27 A
Open Circuit Voltage (V _{oc})	35.0 V	35.1 V	35.2 V

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

Mechanical Characteristics

Cell Type	Virtus II (Polycrystalline) 156 x156 mm, 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	18.5 Kg
Installation Hole Location	See Drawing Above

Characteristics

Temperature Coefficient of V _{oc}	-0.30%/°C
Temperature Coefficient of I _{sc}	0.04%/°C
Temperature Coefficient of P _{max}	-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/2013.07 *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)