

Virtus II[®] 250W - 260W

Multicrystalline Module

PID-Free



10 YEAR
PRODUCT WARRANTY

25 YEAR
LINEAR POWER OUTPUT



Rene-Controlled
Nucleation Process

Renosola's unique ingot casting process that produces an ultra-uniform grain size, distribution, and crystal orientation



P.I.D. FREE
Premium silicon wafers, EVA encapsulants, low-iron tempered glass eliminate **Potential Induced Degradation**, ensuring a longer performing module.



VERTICALLY INTEGRATED, QUALITY CONTROL (QC)
Intense QC is conducted throughout the vertically integrated manufacturing process. **23 QC tests** from ingot casting to the final packaging.



LOW LIGHT CONDITIONS
Mornings, evenings, even on cloudy days; ReneSola modules perform higher giving the user an **improved performance**.



SAFETY & FIRE
Certified under **IEC 61730-2/ MST 23**, Application A, **Safety Class II & Fire Rating C**.



LOWER L.I.D.
Our modules lower the oxidation process when the cells are first exposed to light, thereby lowering the initial **Light Induced Degradation**.



Photon (Germany) is a global assessor on all photovoltaic products. ReneSola Virtus - **Top Performer** in a 2012 Field Test



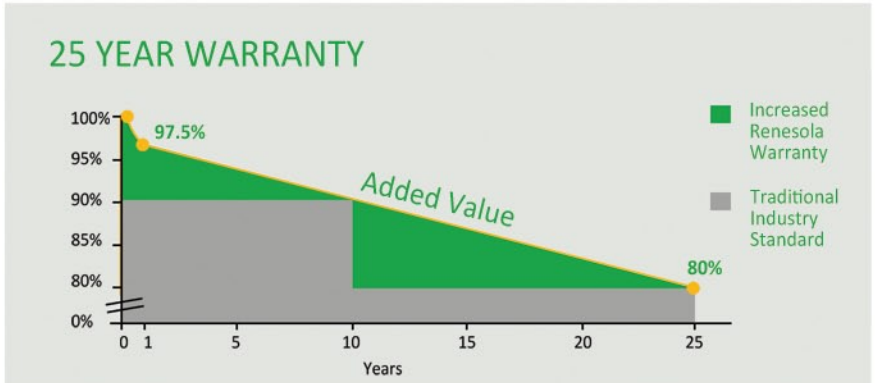
Accelios Solar (Germany), a 3rd party PV manufacturing audit firm, who certifies ReneSola as **Tier 1 & Bankable** with a score of **91%**.



Bloomberg reiterates ReneSola's standing PV ranking as **Tier 1**. BNEF's tiering system is based on bankability, further illustrating ReneSola's financial calibre.



Canadian Standards Association Group certifies ReneSola for **High Standards** in safety, sustainability, and performance. Under this program ReneSola quality testing and calibration conform to International Standards.



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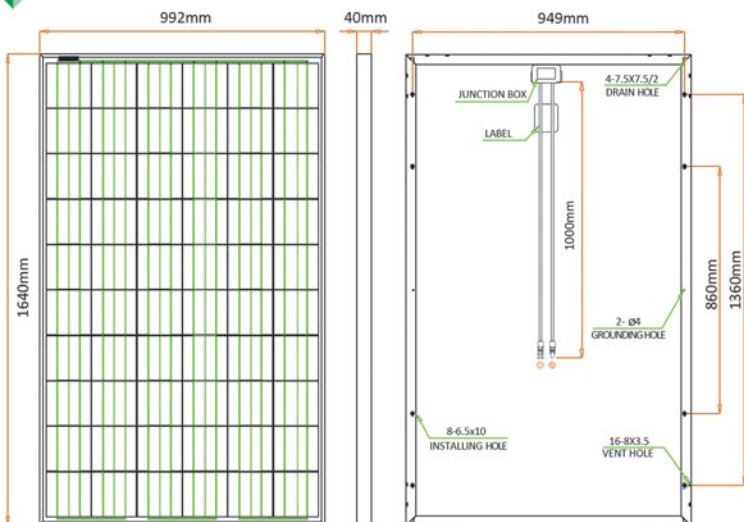
Renosola
More Power for Your Dollar

Virtus II[®]

Multicrystalline Module

250W - 260W

Dimensions



Drawing Only for Reference



Applications



Electrical Characteristics

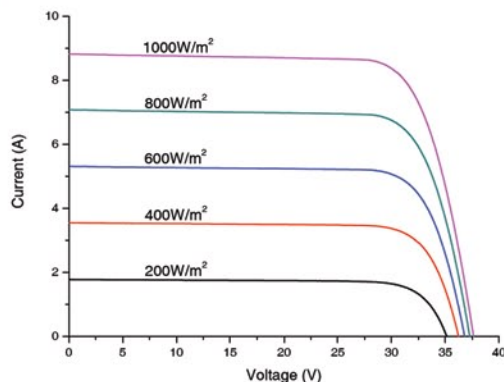
Electrical Characteristics STC	JC250M-24/Bb	JC255M-24/Bb	JC260M-24/Bb
Maximum Power (Pmax)	250 W	255 W	260 W
Power Tolerance	0 ~ +5 W	0 ~ +5 W	0 ~ +5 W
Module Efficiency	15.4%	15.7%	16.0%
Maximum Power Current (Imp)	8.31 A	8.39 A	8.53 A
Maximum Power Voltage (Vmp)	30.1 V	30.4 V	30.5 V
Short Circuit Current (Isc)	8.83 A	8.86 A	8.95 A
Open Circuit Voltage (Voc)	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 (Pmax)	185 W	189 W	193 W
Maximum Power Current (Imp)	6.57 A	6.63 A	6.74 A
Maximum Power Voltage (Vmp)	28.2 V	28.5 V	28.6 V
Short Circuit Current (Isc)	7.12 A	7.20 A	7.27 A
Open Circuit Voltage (Voc)	35.0 V	35.1 V	35.2 V

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

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%

General Characteristics

Mechanical Characteristics		Characteristics		Packing Information			
Cell Type	Virtus II Multicrystalline, 156 x156 mm 60 (6x10) pcs in series	Temperature Coefficient of Voc	-0.30%/°C	Container	20' GP	40'GP	40'HQ
Glass	3.2mm High Transmission, Low Iron, Tempered Glass	Temperature Coefficient of Isc	0.04%/°C	Pallets per container	12	28	28
Frame	Anodized Aluminum Alloy	Temperature Coefficient of Pmax	-0.40%/°C	Pieces per Container	300	700	770
Junction Box	IP65/IP67 rated, with bypass diodes	Nominal Operating Cell Temperature (NOCT)	45°C ± 2°C				
Dimension	*1640 x 992 x 40 mm	Maximum Ratings					
Output Cable	4 mm ² (EU)/12 AWG (US), 1000 mm	Operating Temperature	-40°C ~ +85°C				
Weight	19 Kg	Maximum System Voltage	1000VDC (EU) / 600VDC (US)				
Installation of Hole Location	See Drawing Above	Maximum Series Fuse Rating	20A (EU) / 20A (US)				
		Hail Safety Impact Velocity	23m/s (25mm, 7.5gms)				



Rev No: JC/TDS/2014.10

*Contact Renesola for tolerance specification

CAUTION:

All rights reserved Design and specification are subject to change without prior notice

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