

# Virtus II<sup>®</sup> 250W - 260W

## Multicrystalline Module

PID-Free



**10 YEAR**  
PRODUCT WARRANTY

**25 YEAR**  
LINEAR POWER OUTPUT



Rene-Controlled  
Nucleation Process

Renesola'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



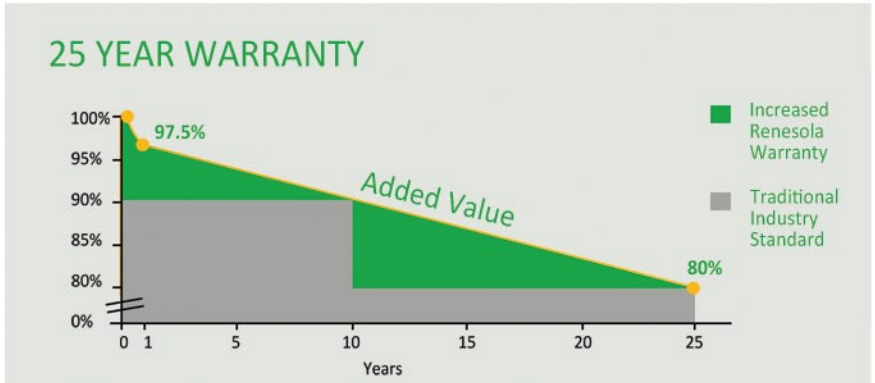
Accelios Solar (Germany), a 3rd party PV manufacturing audit firm, who certifies ReneSola as **Tier 1 & Bankable** with a score of **91%**.



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



Go Solar California is a joint effort of the Californian Energy Commission & the California Public Utilities Commission. They score ReneSola modules with a **91% rating**, "Best in Class".



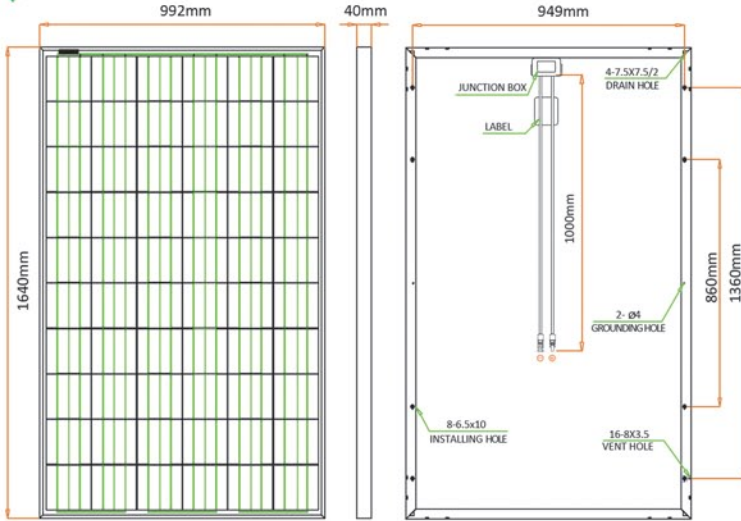


# Virtus II<sup>®</sup>

## Multicrystalline Module

# 250W - 260W

### Dimensions



Drawing Only for Reference



### Applications



### Electrical Characteristics

Electrical Characteristics STC	JC250M-24/Bbv	JC255M-24/Bbv	JC260M-24/Bbv
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/m<sup>2</sup>, Cell Temperature 25°C)

Electrical Characteristics NOCT	JC250M-24/Bbv	JC255M-24/Bbv	JC260M-24/Bbv
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/m<sup>2</sup>, spectrum AM 1.5, ambient temperature 20°C, wind speed 1 m/s

### General Characteristics

Mechanical Characteristics	
Cell Type	Virtus II Multicrystalline, 156 x156 mm 60 (6x10) pcs in series
Glass	3.2mm 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	18.5 Kg
Installation of Hole Location	See Drawing Above

Characteristics	
Temperature Coefficient of Voc	-0.30%/°C
Temperature Coefficient of Isc	0.04%/°C
Temperature Coefficient of Pmax	-0.40%/°C
Nominal Operating Cell Temperature (NOCT)	45°C ± 2°C
Maximum Ratings	
Operating Temperature	-40°C ~ +85°C
Maximum System Voltage	1000VDC (EU) / 600VDC (US)
Maximum Series Fuse Rating	20A (EU) / 20A (US)
Hail Safety Impact Velocity	23m/s (25mm, 7.5gms)

Packing Information			
Container	20' GP	40'GP	40'GP
Pallets per container	12	28	28
Pieces per Container	300	700	770

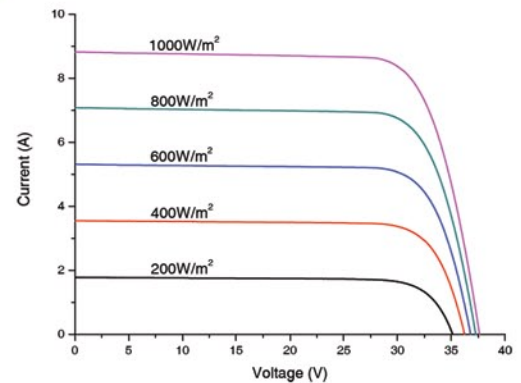
Rev No: JC/TDS/2013.02

\*Contact Renesola for tolerance specification

CAUTION:

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

### 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	15.8%	16.2%	16.2%	16.1%	16.0%

Renosola Partner:

Contact Person:

Tel: