

# Virtus Module

240W,245W,250W



High Module Conversion Efficiency



Easy Installation and Handling for Various Applications



Withstanding Mechanical Load up to 5400 Pa



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



Quality System: ISO9001:2008



We provide a 10 years material and workmanship guarantee for our modules. In addition, a 90%-power-output guarantee for 10 years and a 80%-power-output guarantee for 25 years of the modules life are provided.

**10-year**  
material & workmanship

**10-year**  
90% power output

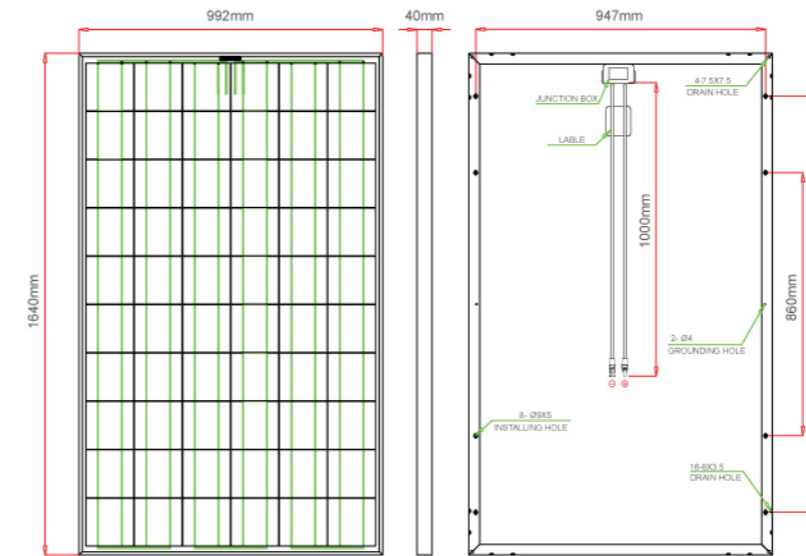
**25-year**  
80% power output



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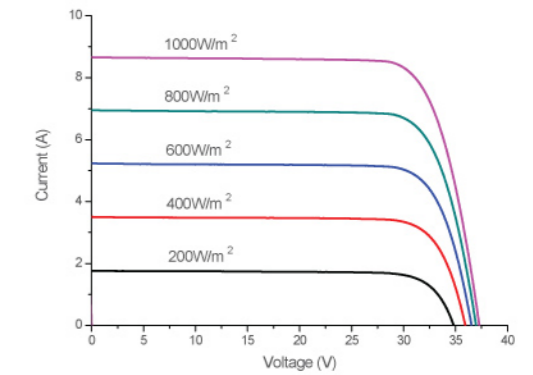
240W,245W,250W

## Dimension



Drawing Only for Reference

## I-V Curves



## Efficiency at Varied Irradiation

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	15.0%	15.4%	15.5%	15.5%	15.4%

## Electrical Characteristics

	JC240M-24/Bb	JC245M-24/Bb	JC250M-24/Bb
Maximum Power ( Pmax )	240 W	245 W	250 W
Power Tolerance	±3%	±3%	±3%
Module Efficiency	14.78%	15.08%	15.38%
Maximum Power Current ( Imp )	8.05 A	8.09 A	8.25 A
Maximum Power Voltage ( Vmp )	29.9 V	30.3 V	30.3 V
Short Circuit Current ( Isc )	8.57 A	8.67 A	8.66 A
Open Circuit Voltage ( Voc )	36.8 V	37.1 V	37.3 V

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

## Temperature Coefficient

Temperature Coefficient of Voc	-0.3878/°C
Temperature Coefficient of Isc	0.0729%/°C
Temperature Coefficient of Pmax	-0.4235%/°C
Nominal Operating Cell Temperature ( NOCT )	45°C±2°C

## Mechanical Characteristics

Cell Type	156 x 156 mm Virtus, 60 ( 6 x 10 ) pcs in series
Glass	High Transmission, Low Iron, Tempered Glass
Frame	Anodized Aluminum Alloy
Junction Box	IP65 rated, with bypass diodes
Dimension	*1640 x 992 x 40 mm
Cable Length	1000 mm
Weight	20 Kg
Installation Hole Location	See Drawing Above

## Maximum Ratings

Operating Temperature	-40 °C to +85 °C
Maximum System Voltage	1000 V DC
Maximum Series Fuse Rating	20 A

## Packing Information

Container	20'GP	40'GP	40'HQ
Pallets per Container	12	28	28
Pieces per Container	300	700	770