

## Virtus<sup>®</sup> II Module

305W/310W/315W/320W



**High Module Conversion Efficiencies**



**Easy Installation and Handling for Various Applications**



**Mechanical Load Capability of up to 113 psf (5400 Pa)**



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



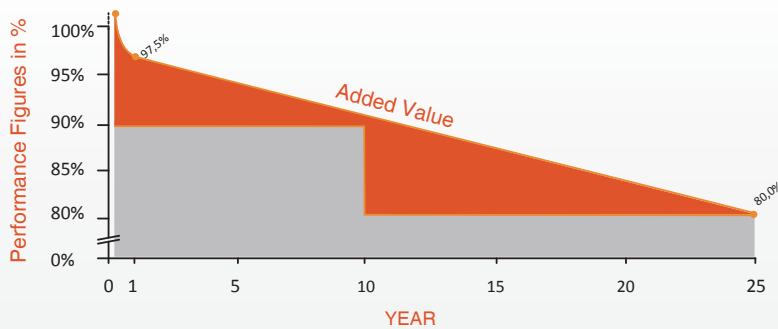
**ISO9001, OHSAS18001, ISO14001 Certified**



**Application Class A, Safety Class II, Fire Rating Type 1**



Also Applicable for Module with Black Frame



**10-year**  
material & workmanship

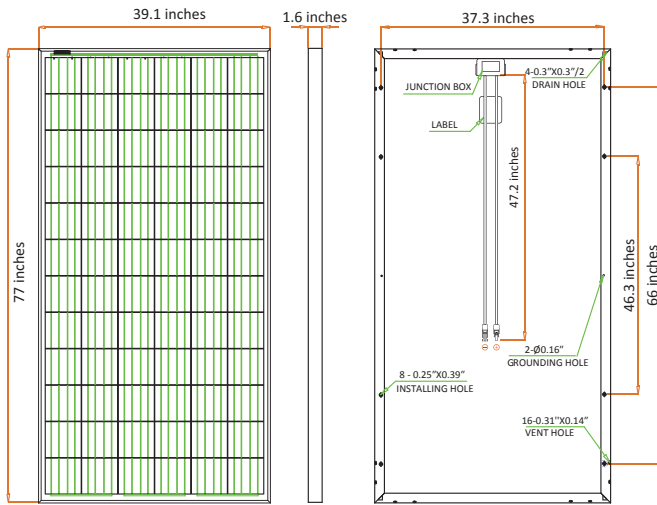
**25-year**  
linear power output



APPROVED PRODUCT

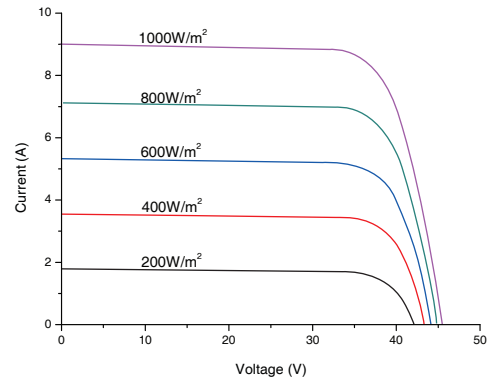


#### Dimensions



Drawing Only for Reference

#### I-V Curves



#### Electrical Characteristics STC

	JC305M-24/Abs	JC310M-24/Abs	JC315M-24/Abs	JC320M-24/Abs
Maximum Power (Pmax)	300 W	310 W	315 W	320 W
Power Tolerance	0 ~ +5W	0 ~ +5W	0 ~ +5W	0 ~ +5W
Module Efficiency	15.4%	16.0%	16.2%	16.5%
Maximum Power Current (Imp)	8.20 A	8.38 A	8.45 A	8.56 A
Maximum Power Voltage (Vmp)	36.6 V	37.0 V	37.3 V	37.4 V
Short Circuit Current (Isc)	8.69 A	8.80 A	8.88 A	9.00 A
Open Circuit Voltage (Voc)	44.8 V	45.0 V	45.4 V	45.6 V

Values at Standard Test Conditions STC (AM1.5, Irradiance of 1000W/m<sup>2</sup>, Cell Temperature 77°F)

#### Electrical Characteristics NOCT

	JC305M-24/Abs	JC310M-24/Abs	JC315M-24/Abs	JC320M-24/Abs
Maximum Power (Pmax)	226 W	230 W	234 W	238 W
Maximum Power Current (Imp)	6.72 A	6.80 A	6.88 A	6.96 A
Maximum Power Voltage (Vmp)	33.6 V	33.8 V	34.0 V	34.2 V
Short Circuit Current (Isc)	7.04 A	7.10 A	7.16 A	7.26 A
Open Circuit Voltage (Voc)	42.0 V	42.1 V	42.5 V	42.7 V

Values at Normal Operating Cell Temperature, Irradiance of 800W/m<sup>2</sup>, AM1.5, Ambient Temperature 68°F, Wind Speed 1m/s.

#### Mechanical Characteristics

Cell Type	6 inches Virtus® II (Polycrystalline), 72 (6x12) pcs in series
Glass	High Transmission, Low Iron, Tempered Glass
Frame	Anodized Aluminum Alloy
Junction Box	IP65/IP67 Rated, With Bypass Diodes
Dimension	*77 x 39.1 x 1.6 inches
Output Cable	12 AWG, 47.2 inches
Weight	59.5 lbs
Installation Hole Location	See Drawing Above

#### Characteristics

Temperature Coefficient of Voc	-0.167%/°F (-0.30%/°C)
Temperature Coefficient of Isc	0.022%/°F (0.04%/°C)
Temperature Coefficient of Pmax	-0.222%/°F (-0.40%/°C)
Nominal Operating Cell Temperature (NOCT)	113 ± 3.6°F (45 ± 2°C)

#### Packing Information

	20' GP	40' GP	40' HQ
Container	20' GP	40' GP	40' HQ
Pallets per Container	10	24	24
Pieces per Container	250/260	600/624	660/684

Rev No: JC/TDS/2015.04 \*Contact ReneSola for tolerance specification  
CAUTION: All rights reserved. Design and specification are subject to change without prior notice.

#### Maximum Ratings

Operating Temperature	-40°F ~ +185°F (-40°C ~ +85°C)
Maximum System Voltage	1000VDC (US)
Maximum Series Fuse Rating	20A (US)