

Virtus[®] II Module

300W, 305W, 310W



High Module Conversion Efficiencies



Easy Installation and Handling for Various Applications



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



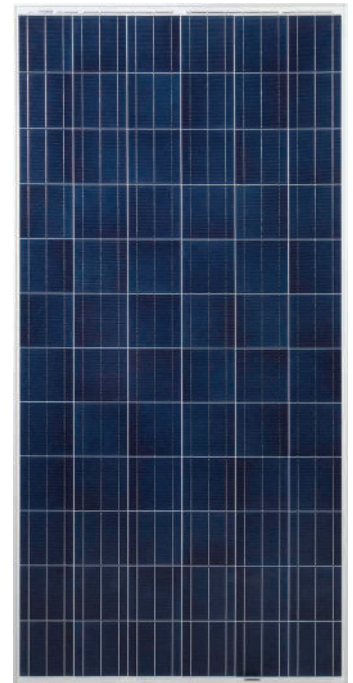
**Conforms with IEC 61215:2005,
IEC 61730: 2004, UL 1703 PV Standards**



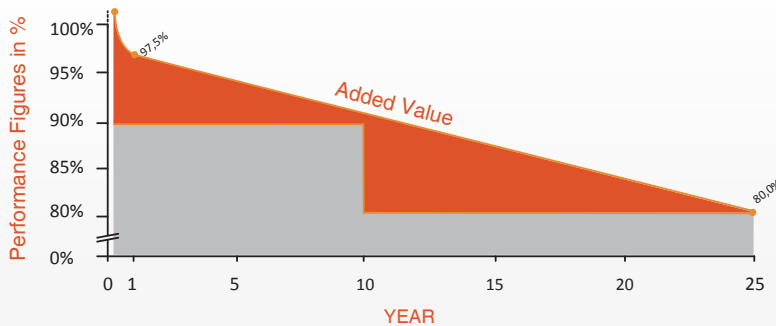
ISO9001, OHSAS18001, ISO14001 Certified



Application Class A, Safety Class II, Fire Rating C



Also Applicable For Module With Black Frame



10-year
material & workmanship

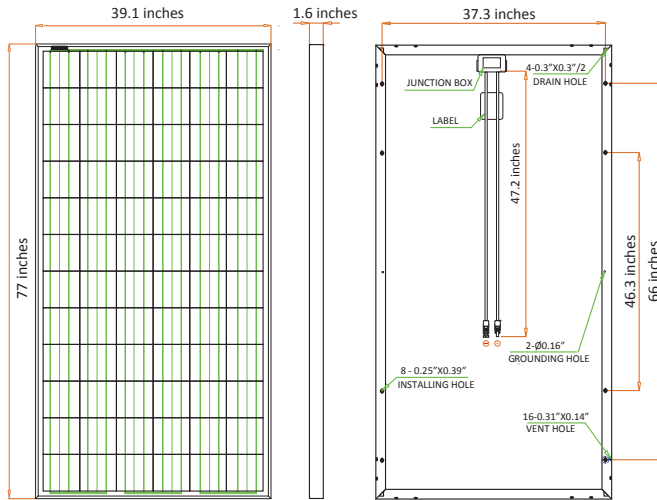
25-year
linear power output



APPROVED PRODUCT

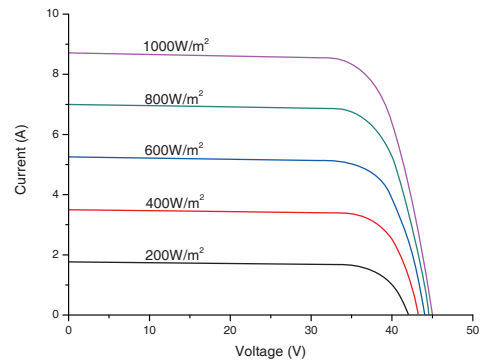


Dimensions



Drawing Only for Reference

I-V Curves



Efficiency at Varied Irradiation

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

	JC300M-24/Abh	JC305M-24/Abh	JC310M-24/Abh
Maximum Power (Pmax)	300 W	305 W	310 W
Power Tolerance	0 ~ +5W	0 ~ +5W	0 ~ +5W
Module Efficiency	15.5%	15.7%	16.0%
Maximum Power Current (Imp)	8.20 A	8.33 A	8.38 A
Maximum Power Voltage (Vmp)	36.6 V	36.6 V	37.0 V
Short Circuit Current (Isc)	8.69 A	8.73 A	8.80 A
Open Circuit Voltage (Voc)	44.8 V	44.9 V	45.0 V

Values at Standard Test Conditions STC (AM1.5, Irradiance 1000W/m², Cell Temperature 77°F)

Electrical Characteristics NOCT

	JC300M-24/Abh	JC305M-24/Abh	JC310M-24/Abh
Maximum Power (Pmax)	222 W	226 W	230 W
Maximum Power Current (Imp)	6.67 A	6.72 A	6.80 A
Maximum Power Voltage (Vmp)	33.4 V	33.6 V	33.8 V
Short Circuit Current (Isc)	7.02 A	7.04 A	7.10 A
Open Circuit Voltage (Voc)	41.9 V	42.0 V	42.1 V

Values at Normal Operating Cell Temperature, Irradiance of 800W/m², 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			
Pallets per Container	10	24	24
Pieces per Container	250	600	660

Rev No: JC/TDS/2014.05 *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)