

ReneSolar

Virtus^{II}

Virtus[®] II Module

305W, 310W, 315W



High Module Conversion Efficiencies



Easy Installation and Handling for Various Applications



Mechanical Load Capability of up to 5400 Pa



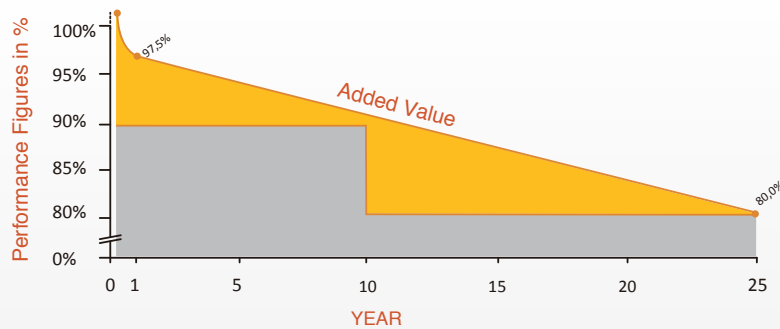
**Conforms with IEC 61215:2005,
IEC 61730:2004 PV Standards**



ISO9001, OHSAS18001, ISO14001 Certified



Application Class A, Safety Class II, Fire Rating C

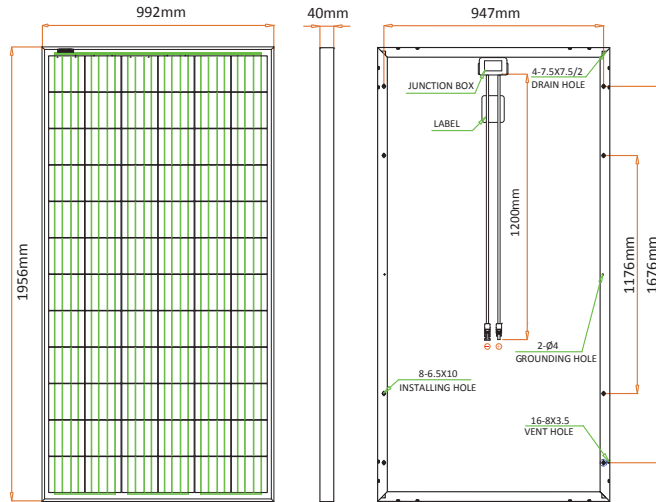


10-year
material & workmanship

25-year
linear power output

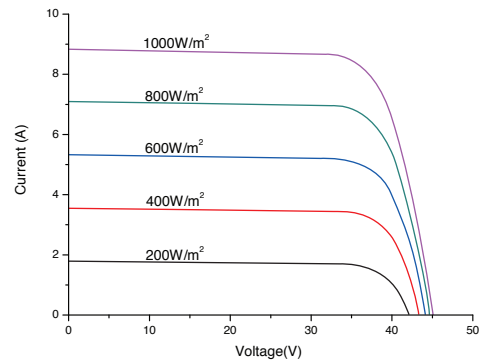


Dimensions



Drawing Only for Reference

I-V Curves



Varied Irradiation Efficiencies

Irradiance	200W/m ²	400W/m ²	600W/m ²	800W/m ²	1000W/m ²
Efficiency	16.0%	16.4%	16.4%	16.3%	16.2%

Electrical Characteristics STC

Maximum Power (Pmax)
Power Tolerance
Module Efficiency
Maximum Power Current (Imp)
Maximum Power Voltage (Vmp)
Short Circuit Current (Isc)
Open Circuit Voltage (Voc)

JC305M-24/Abs

305 W
0 ~ +5W
15.7%
8.33 A
36.6 V
8.73 A
44.9 V

JC310M-24/Abs

310 W
0 ~ +5W
16.0%
8.38 A
37.0 V
8.80 A
45.0 V

JC315M-24/Abs

315 W
0 ~ +5W
16.2%
8.45 A
37.3 V
8.88 A
45.1 V

Values at Standard Test Conditions STC (AM1.5, Irradiance 1000W/m², Cell Temperature 25°C)

Electrical Characteristics NOCT

Maximum Power (Pmax)
Maximum Power Current (Imp)
Maximum Power Voltage (Vmp)
Short Circuit Current (Isc)
Open Circuit Voltage (Voc)

JC305M-24/Abs

226 W
6.72 A
33.6 V
7.04 A
42.0 V

JC310M-24/Abs

230 W
6.80 A
33.8 V
7.10 A
42.1 V

JC315M-24/Abs

234 W
6.88 A
34.0 V
7.16 A
42.2 V

Values at Normal Operating Cell Temperature, Irradiance of 800W/m², AM1.5, Ambient Temperature 20°C, Wind Speed 1m/s.

Mechanical Characteristics

Cell Type: Virtus II (Polycrystalline) 156 x156 mm, 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: *1956 x 992 x 40 mm
Output Cable: 4 mm² (EU)/12 AWG (US), 1200 mm
Weight: 27 kg
Installation 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

Packing Information

Container	20' GP	40' GP	40' HQ
Pallets per Container	10	24	24
Pieces per Container	250	600	660

Maximum Ratings

Operating Temperature	-40°C ~ +85°C
Maximum System Voltage	1000VDC (EU) / 600VDC (US)
Maximum Series Fuse Rating	20A (EU) / 20A (US)

Rev No: JC/TDS/2015.01.20 *Contact ReneSola for tolerance specification
CAUTION: All rights reserved. Design and specification are subject to change without prior notice.