ReneSola

Import Sun Pv™

Virtus®

Virtus Module

290W, 295W, 300W, 305W

Efficiency

High Module Conversion Efficiency

easy & quick

Easy Installation and Handling for Various Applications

– 2400Pa –
– 5400Pa –

Withstanding Mechanical Load up to 5400 Pa

IEC & UL

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

ISO Certification

ISO9001, OHSAS18001, ISO14001



Guarantee

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

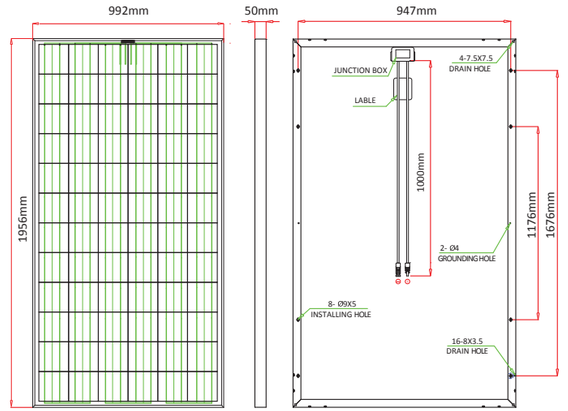
APPROVED PRODUCT

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Virtus Module

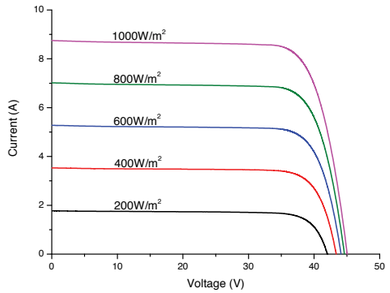
290W, 295W, 300W, 305W

Dimension



Drawing Only for Reference

I-V Curves



Efficiency at Varied Irradiation

Irradiance	200W/m²	400W/m²	600W/m²	800W/m²	1000W/m²
Efficiency	15.4%	15.7%	15.8%	15.8%	15.7%

Electrical Characteristics STC	JC290M-24/Abv	JC295M-24/Abv	JC300M-24/Abv	JC305M-24/Abv
Maximum Power (Pmax)	290 W	295 W	300 W	305 W
Power Tolerance	0~+5W	0~+5W	0~+5W	0~+5W
Module Efficiency	14.9%	15.2%	15.5%	15.7%
Maximum Power Current (Imp)	8.06 A	8.09 A	8.16 A	8.23 A
Maximum Power Voltage (Vmp)	36.1 V	36.5 V	36.8 V	37.1 V
Short Circuit Current (Isc)	8.57A	8.60 A	8.67 A	8.75 A
Open Circuit Voltage (Voc)	44.4 V	44.7 V	44.8 V	44.9 V

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

Electrical Characteristics NOCT	JC290M-24/Abv	JC295M-24/Abv	JC300M-24/Abv	JC305M-24/Abv
Maximum Power (Pmax)	215 W	219 W	223 W	226 W
Maximum Power Current (Imp)	6.52 A	6.58 A	6.66 A	6.72 A
Maximum Power Voltage (Vmp)	33.1 V	33.3 V	33.5 V	33.6 V
Short Circuit Current (Isc)	6.93 A	6.96 A	7.01 A	7.06 A
Open Circuit Voltage (Voc)	41.5 V	41.7 V	41.9 V	42.0 V

Values at Normal Operating Cell Temperature, Irradiance of 800 W/m² , spectrum AM 1.5, ambient temperature 20°C, wind speed 1 m/s

Mechanical Characteristics

Cell Type	156 x156 mm Virtus, 72 (6x12) pcs in series
Glass	High Transmission, Low Iron, Tempered Glass
Frame	Anodized Aluminum Alloy
Junction Box	IP65 rated, with bypass diodes
Dimension	*1956 x 992 x 50 mm
Cable Length	1000 mm
Weight	29 Kg
Installation Hole Location	See Drawing Above

Characteristics

Temperature Coefficient of Voc	-0.29%/°C
Temperature Coefficient of Isc	0.04%/°C
Temperature Coefficient of Pmax	-0.39%/°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	200	480	528

Maximum Ratings

Operating Temperature	-40°C to + 85°C
Maximum System Voltage	1000VDC (EU) / 600VDC (US)
Maximum Series Fuse Rating	20A (EU) / 15A (US)

Rev No: JC/TDS/2012.03 *Contact Renesola for tolerance specification

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

Import Sun Pv™

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