

Virtus Module

290W,295W,300W,305W



High Module Conversion Efficiency



Easy Installation and Handling for Various Applications



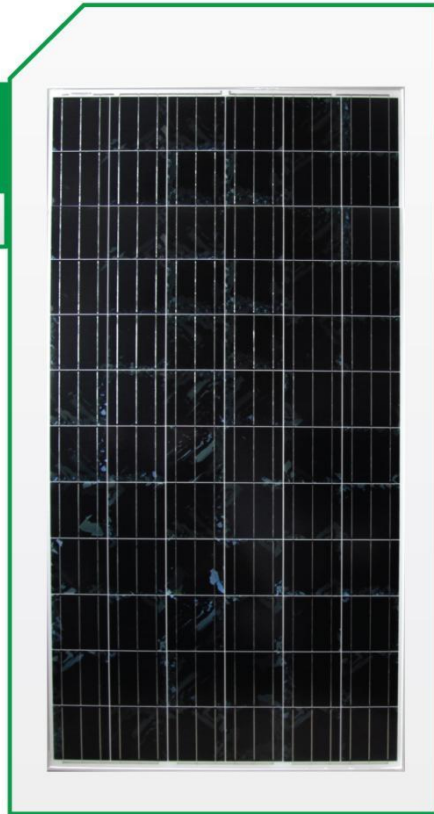
Withstanding Mechanical Load up to 5400 Pa



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



ISO9001, OHSAS18001, ISO14001



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

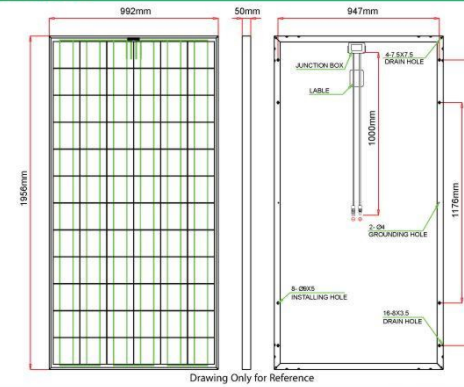
80% power output



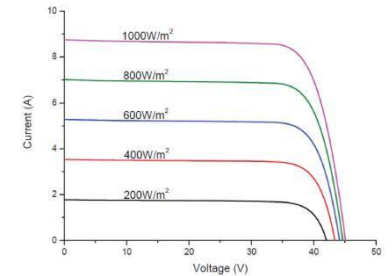
Virtus Module

290W,295W,300W,305W

Dimension



I-V Curves



Efficiency at Varied Irradiation

Irradiance	200W/m ²	400W/m ²	600W/m ²	800W/m ²	1000W/m ²
Efficiency	15.4%	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%	15.4%	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)	8.57 A	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 x 156 mm Virtus, 72 (6 x 12) 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

	20'GP	40'GP	40'HQ
Container			
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)