

Virtus® II Module

290W/295W/ 300W/305W/310W



High Module Conversion Efficiencies



Easy Installation and Handling for Various Applications



Test Mechanical Load Capability up to 5400 Pa



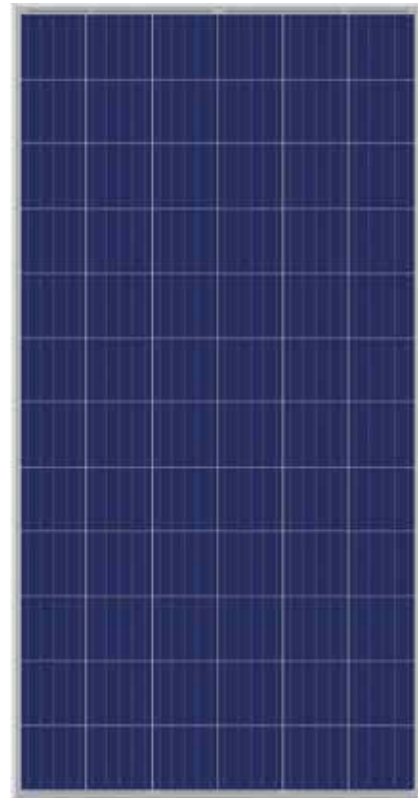
Conforms with IEC 61215-1:2016, IEC 61215-1-1:2016, IEC 61215-2:2016, IEC 61730-1:2016, IEC 61730-2:2016, UL 1703 PV Standards



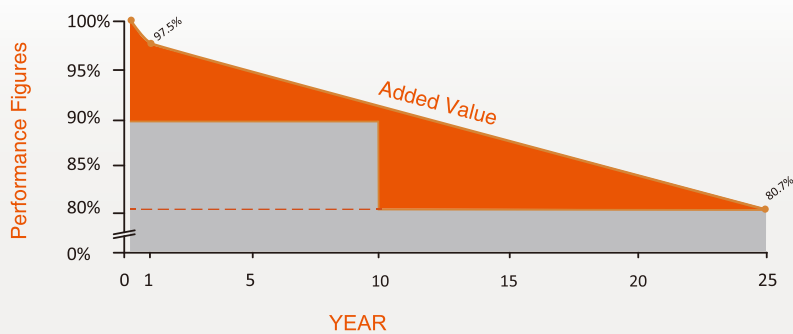
ISO9001, ISO14001, OHSAS18001 Certified



Application Class A, Safety Class II, Fire Rating Class C



Also Applicable For Modules With Black Frame and Diamond Wire Slicing Wafer

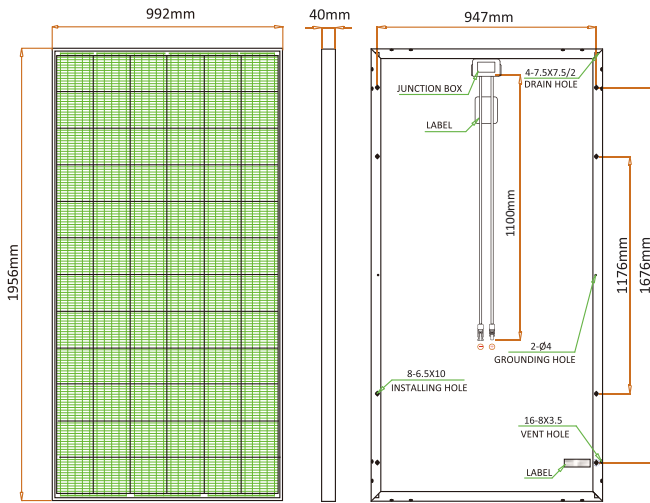


10 -year
material & workmanship

25 -year
linear power output

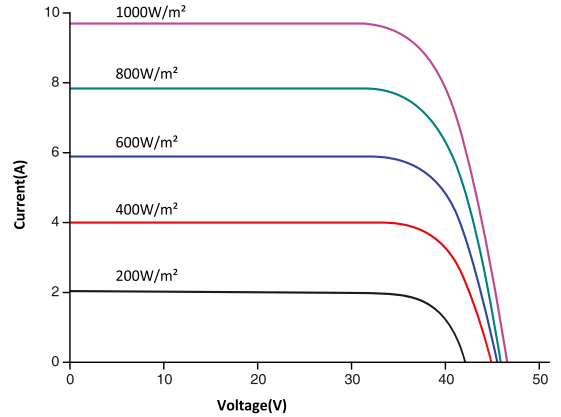


Mounting Drawings



Drawing Only For Reference

I-V Curves



Electrical Characteristics STC

	JC290M-24/Abs	JC295M-24/Abs	JC300M-24/Abs	JC305M-24/Abs	JC310M-24/Abs
Maximum Power (Pmax)	290 W	295 W	300 W	305 W	310 W
Power Tolerance	0 ~ +5W	0 ~ +5W	0 ~ +5W	0 ~ +5W	0 ~ +5W
Module Efficiency	14.95%	15.20%	15.46%	15.72%	15.98%
Maximum Power Current (Imp)	8.30 A	8.36 A	8.45 A	8.50 A	8.60 A
Maximum Power Voltage (Vmp)	35.5 V	35.7V	36.0 V	36.1V	36.1 V
Short Circuit Current (Isc)	8.89 A	8.93 A	9.03 A	9.05 A	9.11 A
Open Circuit Voltage (Voc)	44.7 V	44.8V	45.0 V	45.1V	45.1V

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

Electrical Characteristics NOCT

	JC290M-24/Abs	JC295M-24/Abs	JC300M-24/Abs	JC305M-24/Abs	JC310M-24/Abs
Maximum Power (Pmax)	215 W	219 W	222 W	226 W	230 W
Maximum Power Current (Imp)	6.52 A	6.57 A	6.67A	6.72 A	6.80 A
Maximum Power Voltage (Vmp)	33.0 V	33.3 V	33.4 V	33.6V	33.8V
Short Circuit Current (Isc)	6.91 A	6.96A	7.02 A	7.04 A	7.10 A
Open Circuit Voltage (Voc)	41.7 V	41.8V	41.9 V	42.0 V	42.1 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	Polycrystalline, 156 x 156 mm, 72 (6x12) pcs in series
Glass	High Transmission, Low Iron, Tempered Glass
Frame	Anodized Aluminum Alloy
Junction Box	IP67 Rated, With Bypass Diodes
Dimension	*1956 x 992 x 40 mm
Output Cable	4 mm² (EU), 1100mm
Weight	27 kg
Installation Hole Location	See Drawing Above
Connector 1	PV-JM601A

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

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

Maximum Ratings

Operating Temperature	-40°C ~ + 85°C
Maximum System Voltage	1000VDC
Maximum Series Fuse Rating	20A

Virtus® II Module

315W/320W/325W/330W



High Module Conversion Efficiencies



Easy Installation and Handling for Various Applications



Test Mechanical Load Capability up to 5400 Pa



Conforms with IEC 61215-1:2016, IEC 61215-1-1:2016, IEC 61215-2:2016, IEC 61730-1:2016, IEC 61730-2:2016, UL 1703 PV Standards



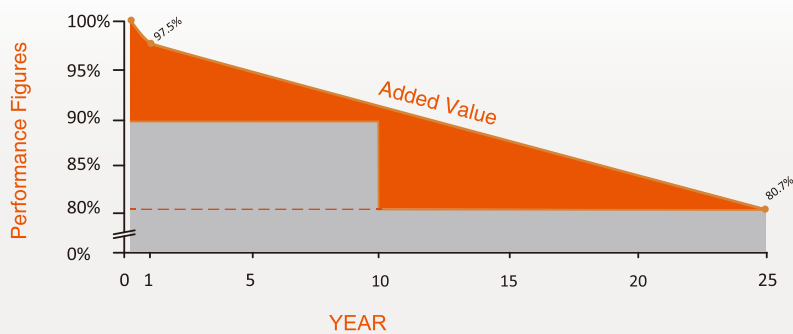
ISO9001, ISO14001, OHSAS18001 Certified



Application Class A, Safety Class II, Fire Rating Class C



Also Applicable For Modules With Black Frame and Diamond Wire Slicing Wafer

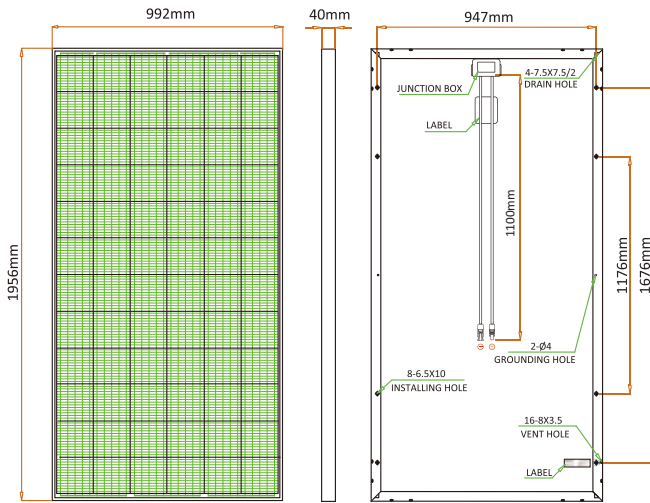


10 -year
material & workmanship

25 -year
linear power output

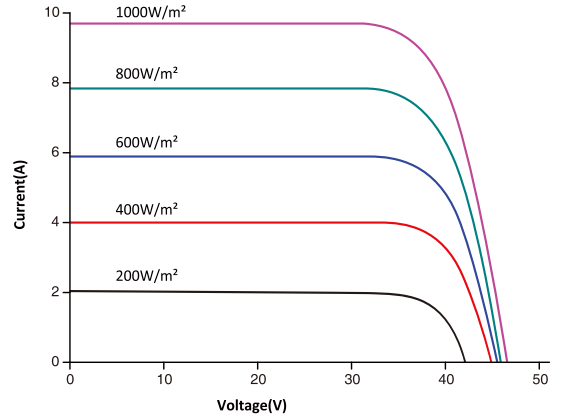


Mounting Drawings



Drawing Only For Reference

I-V Curves



Electrical Characteristics STC

	JC315M-24/Abs	JC320M-24/Abs	JC325M-24/Abs	JC330M-24/Abs
Maximum Power (Pmax)	315 W	320 W	325 W	330 W
Power Tolerance	0 ~ +5W	0 ~ +5W	0 ~ +5W	0 ~ +5W
Module Efficiency	16.23%	16.49%	16.75%	17.01%
Maximum Power Current (Imp)	8.63 A	8.68 A	8.72 A	8.78 A
Maximum Power Voltage (Vmp)	36.5 V	36.9 V	37.3 V	37.6 V
Short Circuit Current (Isc)	9.14 A	9.20 A	9.29 A	9.34 A
Open Circuit Voltage (Voc)	45.4 V	45.6 V	45.8 V	46.1V

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

Electrical Characteristics NOCT

	JC315M-24/Abs	JC320M-24/Abs	JC325M-24/Abs	JC330M-24/Abs
Maximum Power (Pmax)	234 W	238 W	241 W	244 W
Maximum Power Current (Imp)	6.90 A	6.95 A	7.03A	7.10A
Maximum Power Voltage (Vmp)	34.0 V	34.3 V	34.4 V	34.4V
Short Circuit Current (Isc)	7.17 A	7.30 A	7.50 A	7.57 A
Open Circuit Voltage (Voc)	42.5 V	42.7V	42.9 V	43.0 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	Polycrystalline, 156 x 156 mm, 72 (6x12) pcs in series
Glass	High Transmission, Low Iron, Tempered Glass
Frame	Anodized Aluminum Alloy
Junction Box	IP67 Rated, With Bypass Diodes
Dimension	*1956 x 992 x 40 mm
Output Cable	4 mm ² (EU), 1100mm
Weight	27 kg
Installation Hole Location	See Drawing Above
Connector 1	PV-JM601A

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

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

Maximum Ratings

Operating Temperature	-40°C ~ + 85°C
Maximum System Voltage	1000VDC
Maximum Series Fuse Rating	20A