

156 Series Polycrystalline Solar Module

235W,240W,245W,250W



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

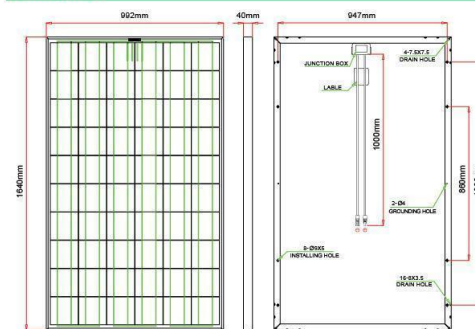


We provide a 10 years material and workmanship guarantee for our modules. In addition, a 90%-power-output guarantee for 10 years and a 80%-power-output guarantee for 25 years of the modules life are provided.



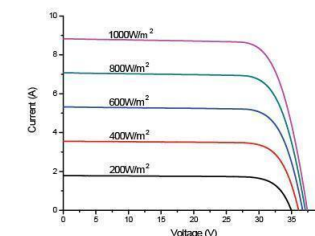
235W,240W,245W,250W

Dimension



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	15.1%	15.4%	15.5%	15.5%	15.4%

Electrical Characteristics STC	JC235M-24/Bb	JC240M-24/Bb	JC245M-24/Bb	JC250M-24/Bb
Maximum Power (Pmax)	235 W	240 W	245 W	250 W
Power Tolerance	0~+5W	0~+5W	0~+5W	0~+5W
Module Efficiency	14.4%	14.8%	15.1%	15.4%
Maximum Power Current (Imp)	8.03 A	8.08 A	8.19 A	8.31 A
Maximum Power Voltage (Vmp)	29.3 V	29.7 V	29.9 V	30.1 V
Short Circuit Current (Isc)	8.58 A	8.64 A	8.73 A	8.83 A
Open Circuit Voltage (Voc)	37.0 V	37.2 V	37.3 V	37.4 V

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

Electrical Characteristics NOCT	JC235M-24/Bb	JC240M-24/Bb	JC245M-24/Bb	JC250M-24/Bb
Maximum Power (Pmax)	174 W	178 W	182 W	185 W
Maximum Power Current (Imp)	6.42 A	6.51 A	6.53 A	6.57 A
Maximum Power Voltage (Vmp)	27.1 V	27.4 V	27.9 V	28.2 V
Short Circuit Current (Isc)	6.92 A	6.97 A	7.04 A	7.12 A
Open Circuit Voltage (Voc)	34.4 V	34.7 V	35.0 V	35.0 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 Polycrystalline, 60 (6 x 10) pcs in series
Glass	High Transmission, Low Iron, Tempered Glass
Frame	Anodized Aluminum Alloy
Junction Box	IP65 rated, with bypass diodes
Dimension	*1640 x 992 x 40 mm
Cable Length	1000 mm
Weight	19 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

Maximum Ratings

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

Packing Information

Container	20'GP	40'GP	40'HQ
Pallets per Container	12	28	28
Pieces per Container	300	700	770