

OSM 72-156P Series

305-325W Polycrystalline Module



High efficiency, all the innovative manufacturing technology, brings high conversion efficiency (up to 16.75%)



Outstanding performance in weak-light conditions



Certified to withstand increased loads of up to 5400Pa



Excellent temperature coefficient giving higher yields in the long term



Anti-PID

Management System and Product Certificate

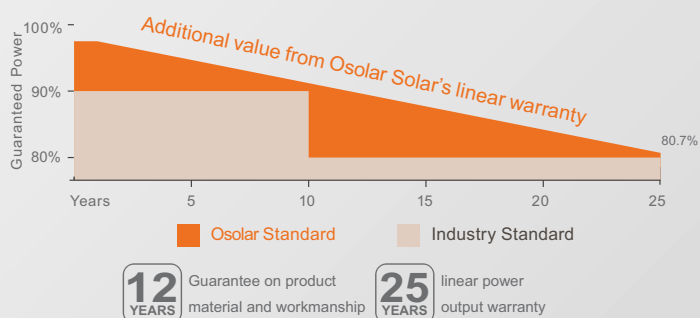
Conform to IEC 61215, IEC 61730, CEC Listed and CE

ISO 9001: 2015: ISO Quality Management System

ISO 14001: 2015: ISO Environmental management system



Linear Performance Warranty



DATA (STC)

ELECTRICAL DATA(STC)

Peak Power Watts- P_{MAX} (Wp)	305	310	315	320	325
Power Output Tolerance- P_{MAX} (W)	0 ~ +5W				
Maximum Power Voltage- V_{MPP} (V)	38.20	38.40	38.60	38.80	39.00
Maximum Power Current- I_{MPP} (A)	7.99	8.08	8.17	8.25	8.34
Open Circuit Voltage- V_{OC} (V)	45.50	45.70	45.90	46.10	46.30
Short Circuit Current- I_{SC} (A)	8.50	8.60	8.73	8.82	8.91
Module Efficiency η_m (%)	15.7	16.0	16.2	16.5	16.8

STC:Irradiance 1000 W/m², Cell Temperature 25 °C, Air Mass AM1.5.

MECHANICAL DATA

Solar cells	Polycrystalline 156 × 156 mm (6 inches)
Cell orientation	72 cells (6 × 12)
Module dimensions	1956 × 992 × 40 mm (77.0 × 39.1 × 1.6 inches)
Weight	23.5 kg (51.8 lb)
Glass	3.2 mm (0.13 inches), High Transmission, AR Coated Tempered Glass
Frame	Silver & black anodized aluminium alloy
Backsheet	Silver & black
J-Box	IP67 rated (3 diodes)
Cables	Photovoltaic Technology cable 4.0mm ² (0.006 inches ²), 900mm (35.46 inches)
Connector	MC4 or MC4 Compatible

TEMPERATURE RATINGS

Nominal Operating Cell Temperature (NOCT)	44 °C (±2 °C)
Temperature Coefficient of P_{MAX}	- 0.39%/°C
Temperature Coefficient of V_{OC}	- 0.29%/°C
Temperature Coefficient of I_{SC}	0.05%/°C

PACKAGING

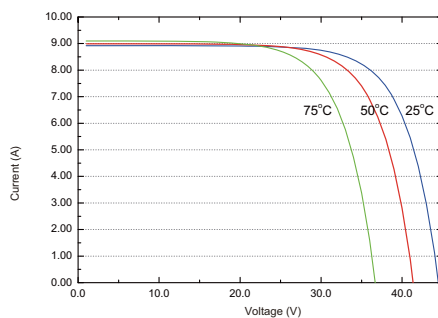
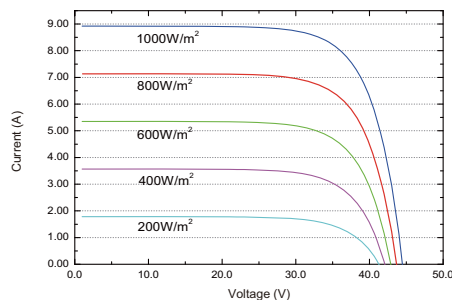
Standard packaging	21pcs/pallet
Module quantity per 20' container	210 pcs
Module quantity per 40' container	462 pcs

MAXIMUM RATINGS

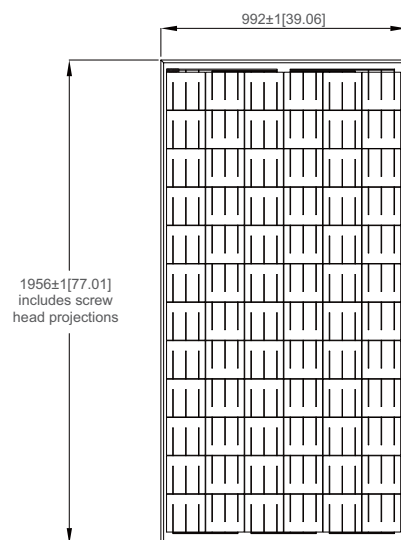
Operational Temperature	-40~+85 °C
Maximum System Voltage	1000V DC(IEC)
Max Series Fuse Rating	15A

I-V & P-V Curves

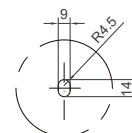
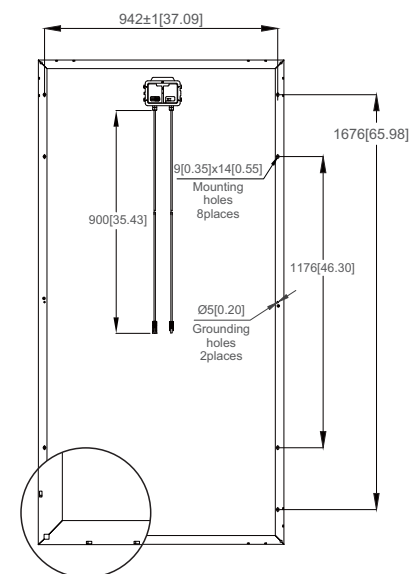
SOLAR MODULE 72-320W



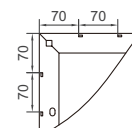
Module Diagram



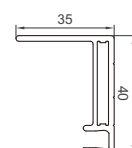
Dimensions in brackets are in inches.
Un-bracketed dimensions are in millimeters.
Unit: mm[in.]



I



II



Section A- A