



SOLAR MODULE 310 W



EFFICIENCY

High Module Conversion Efficiencies



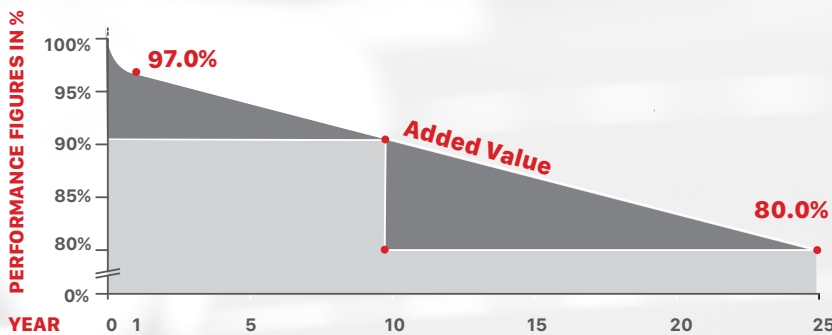
EASY & QUICK

Easy Installation and Handling

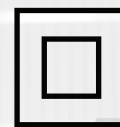


MECHANICAL LOAD

Heavy snow load up to 5400 Pa, Wind load up to 2400 Pa



CERTIFICATES:



IREX ENERGY JOINT STOCK COMPANY

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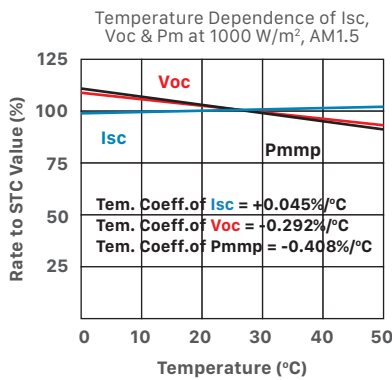
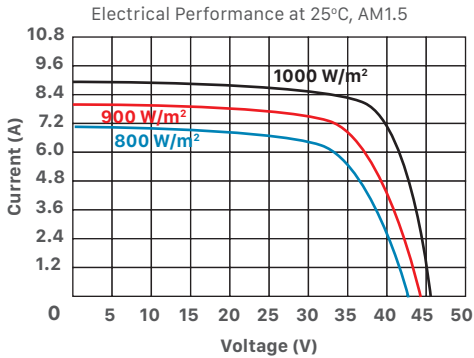


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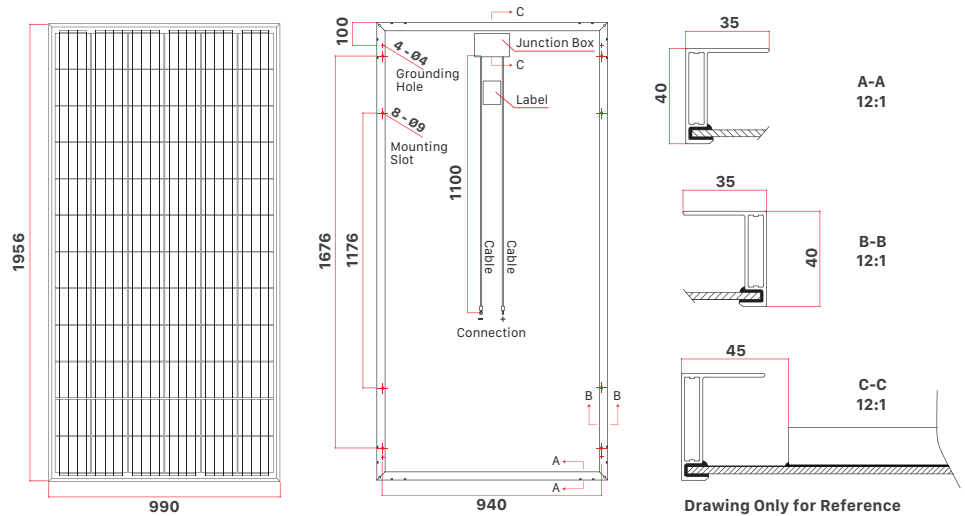
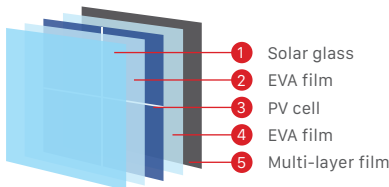
156 SERIES - 72 CELLS POLYCRYSTALLINE



PERFORMANCE



STRUCTURE



Drawing Only for Reference

ELECTRICAL CHARACTERISTICS STC

IR310P-72

Maximum Power (Pmax)	310 W
Power Tolerance	0 ~ 3%
Module Efficiency	16.1%
Maximum Power Current (Imp)	8.40 A
Maximum Power Voltage (Vmp)	36.91 V
Short Circuit Current (Isc)	8.90 A
Open Circuit Voltage (Voc)	45.77 V
Values at Standard Test Conditions (STC: Air Mass AM 1.5, Irradiance 1000 W/m², Cell Temperature 25°C)	

ELECTRICAL CHARACTERISTICS NOCT

IR310P-72

Maximum Power (Pmax)	226.00 W
Maximum Power Current (Imp)	6.66 A
Maximum Power Voltage (Vmp)	33.95 V
Short Circuit Current (Isc)	7.12 A
Open Circuit Voltage (Voc)	42.57 V
Values at Nominal Operating Cell Temperature (NOCT: Wind speed 1 m/s, Irradiance 800 W/m², Cell Temperature 45°C, Ambient Temperature 20°C)	

MECHANICAL CHARACTERISTICS

Cell Type	156.75 x 156.75 mm Polycrystalline, 72 (6x12) pcs in series
Solar Glass	High Transmission, Low Iron, Tempered Glass with Anti-Reflective Coating
Frame	Anodized Aluminum Alloy type 6063 - T5
Junction Box	Rated current ≥ 15A, IP ≥ 67, TUV & UL
Dimension	1956 x 990 x 40 mm
Output Cable	4 mm² (EU)/12 AWG (US), 1100 mm
Weight	22 kg
Installation hole Location	See Drawing Above

PACKING INFORMATION

Container	20' GP	40' GP	40' HQ
Pallets per Container	10	24	24
Pieces per Container	260	624	672

MAXIMUM RATINGS

Operating Temperature	- 40°C ~ + 85°C
Maximum System Voltage	1500 VDC (IEC) / 1500 VDC (UL)
Maximum Series Fuse Rating	20 A (IEC) / 20 A (UL)