



# SOLAR MODULE 320 W



**EFFICIENCY**

High Module Conversion Efficiencies



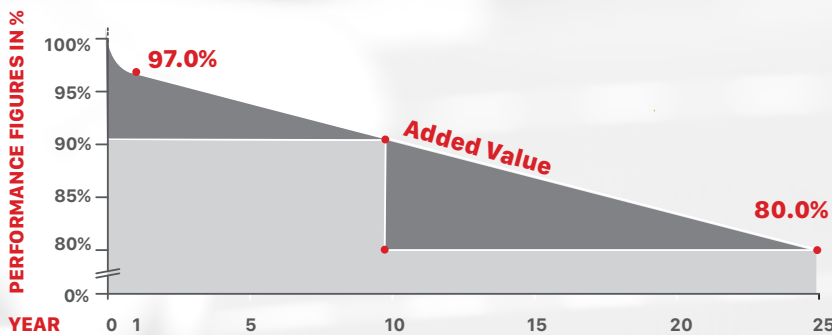
**EASY & QUICK**

Easy Installation and Handling



**MECHANICAL LOAD**

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



**CERTIFICATES:**



UL 1703

www.ul.com  
ID E496023



IEC 61701



Management System  
ISO 9001:2015

www.tuv.com  
ID 9105011675

**IREX ENERGY JOINT STOCK COMPANY**

**Add:** No 47, Le Van Thinh Street, Quarter 5, Binh Trung Dong Ward, District 2, HCMC, Vietnam  
**Tel:** (+84.28) 7300 1559 | **Fax:** (+84.28) 6255 8093 | **Email:** info@irex.vn | **Website:** irex.vn  
**Factory:** No. 1A Street, Phu My 1 Industrial Zone, Tan Thanh District, Ba Ria - Vung Tau Province, Vietnam  
**Tel:** (+84.254) 392 3594 | **Fax:** (+84.254) 392 3594

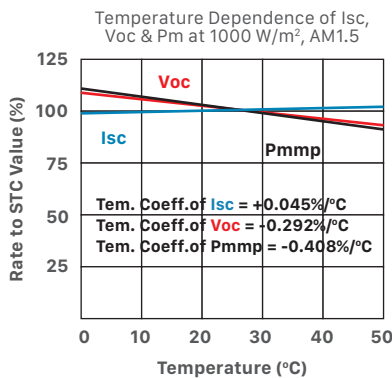
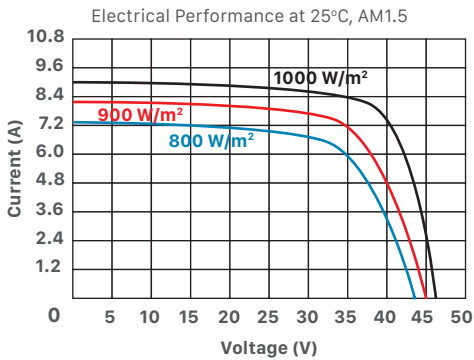


www.irex.vn

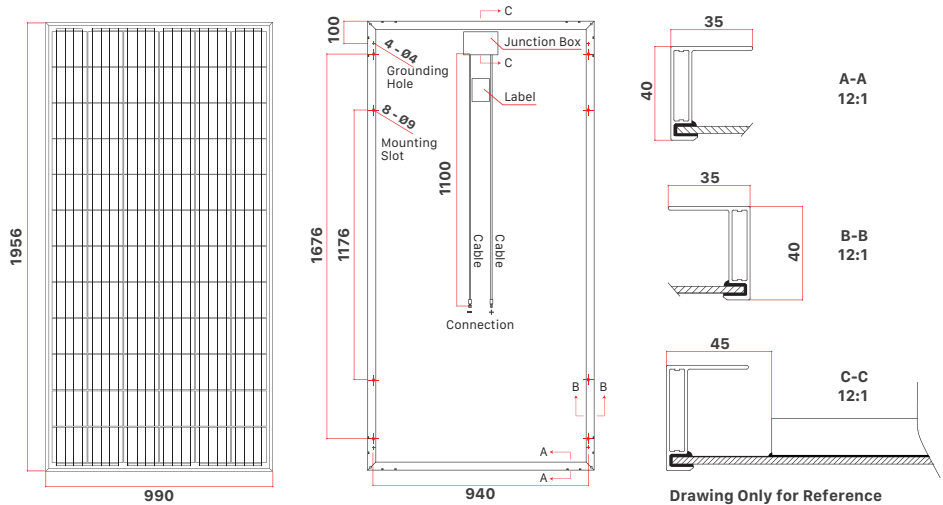
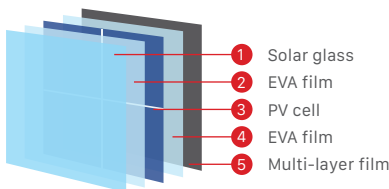
# 156 SERIES - 72 CELLS POLYCRYSTALLINE



## PERFORMANCE



## STRUCTURE



## 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 mm <sup>2</sup> (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)

## ELECTRICAL CHARACTERISTICS STC

IR320P-72

Maximum Power (Pmax)	320 W
Power Tolerance	0 ~ 3%
Module Efficiency	16.6 %
Maximum Power Current (Imp)	8.53 A
Maximum Power Voltage (Vmp)	37.52 V
Short Circuit Current (Isc)	9.04 A
Open Circuit Voltage (Voc)	46.62 V
Values at Standard Test Conditions (STC: Air Mass AM 1.5, Irradiance 1000 W/m², Cell Temperature 25°C)	

## ELECTRICAL CHARACTERISTICS NOCT

IR320P-72

Maximum Power (Pmax)	234.00 W
Maximum Power Current (Imp)	6.77 A
Maximum Power Voltage (Vmp)	34.58 V
Short Circuit Current (Isc)	7.23 A
Open Circuit Voltage (Voc)	43.36 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)	