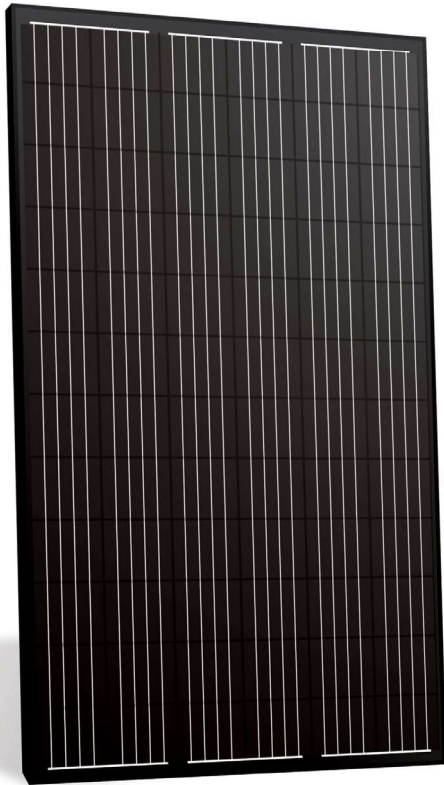


# POLY-CRYSTALLINE MODULE

ECS-310/315/320/325/330/335P72 All-black



High conversion efficiency



Extremely environmental testing



Salt mist corrosion resistant



IP67 Junction box



Strong compressive strength



Fire test approved



PID Resistant

## GIVING YOU MORE



3% positive tolerance



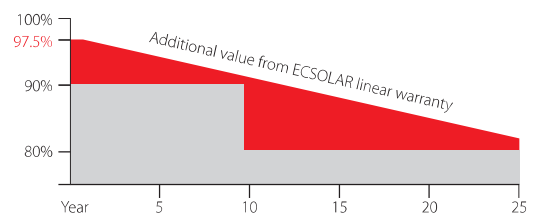
Series of internal harsh tests



Authorised photovoltaic certificates



Linear performance warranty



[www.ecsolar.com](http://www.ecsolar.com)

ECSOLAR (Wuxi Saijing Solar Co., Ltd)

Industrial Park C, Guanlin town, Yixing city, Jiangsu Province, P. R. China

Tel: +86 25 8659 2702 Fax: +86 25 8659 2703 E-mail: [sales@ecsolar.com](mailto:sales@ecsolar.com)

### Electrical Characteristics under STC\*

Module Type	ECS-310P72	ECS-315P72	ECS-320P72	ECS-325P72	ECS-330P72	ECS-335P72
Maximum Power-Pmax (Wp)	310	315	320	325	330	335
Voltage at Maximum Power-Vmp (V)	36.9	37.2	37.5	37.00	37.08	37.2
Current at Maximum Power-Imp (A)	8.40	8.47	8.53	8.79	8.9	9.01
Open Circuit Voltage-Voc (V)	45.3	45.4	45.7	45.3	45.4	45.5
Short Circuit Current-Isc (A)	8.86	8.88	8.94	9.29	9.4	9.51
Module Efficiency-ηm (%)	16.0	16.3	16.5	16.7	17	17.3
Power Tolerance (%)	0/+3	0/+3	0/+3	0/+3	0/+3	0/+3

### Mechanical Characteristics

Cell Type	Poly-crystalline	156×156 mm (6 inches)
Number of Cells	72 (6×12)	
Dimension	1956×992×40 mm (77.01×39.06×1.57 inches)	
Weight	23.0 kg	
Front Glass	Low Iron Tempered Glass	
Encapsulant	EVA	
Frame	Anodized Aluminum Alloy	

### Temperature Characteristics

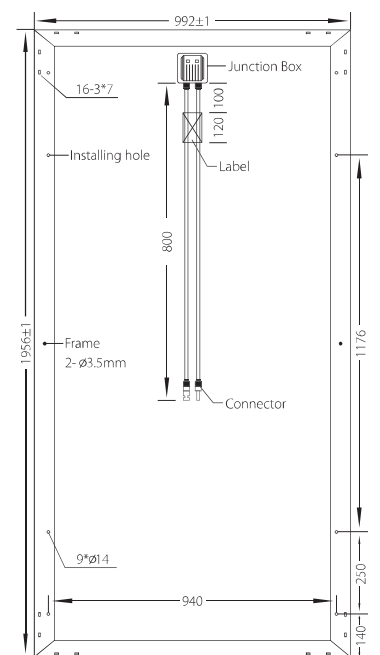
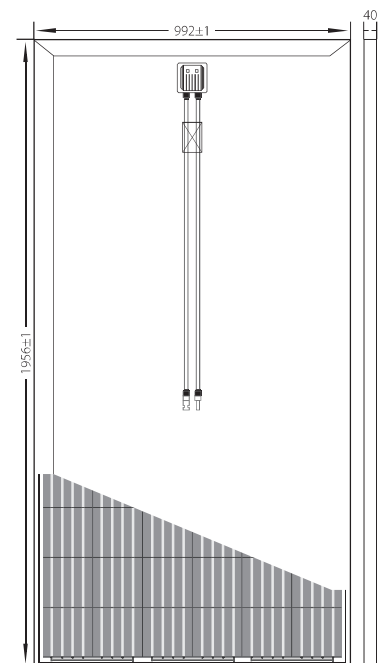
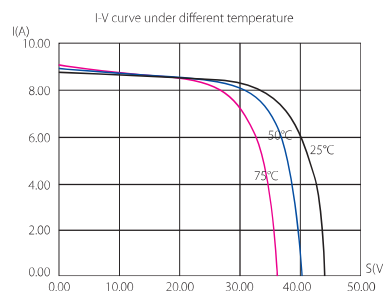
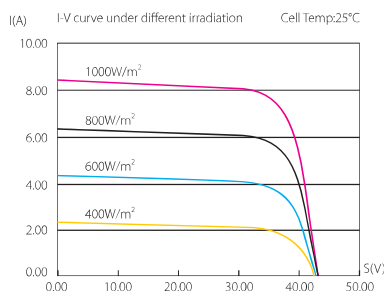
NOCT*	45±2°C
Temperature Coefficient of Pmax (%)	-0.40/°C
Temperature Coefficient of Voc (%)	-0.31/°C
Temperature Coefficient of Isc (%)	0.04/°C

### Maximum System Ratings

Operating Temperature	-40°C to +80°C
Maximum System Voltage	1000V DC
Maximum Series Fuse Rating	16A

### Warranty

- 12 years product warranty
- 12 years warranty on 90% power output
- 25 years warranty on 80% power output



\*STC (Standard Testing Conditions): Irradiance 1000 W/m<sup>2</sup>, cell temperature 25 °C, AM=1.5  
ambient temperature 20 °C, wind speed 1 m/s

\*NOCT (Nominal Operating Cell Temperature): Irradiance 800 W/m<sup>2</sup>,  
The specifications in this datasheet are subjected to change without prior notice