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# **EnergyPal**

## **Solar Panel Guide Specification Data Sheet**

**Wuxi Saijing Solar Co., Ltd.  
ECS-315-345M72 All Black  
ECS-325M72**

Also available on the web at  
[EnergyPal.com/wuxi-saijing-solar-co-ltd-solar-panels/ecs-325m72](http://EnergyPal.com/wuxi-saijing-solar-co-ltd-solar-panels/ecs-325m72)

# MONO-CRYSTALLINE MODULE

ECS-315/320/325/330/335/340/345M72 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



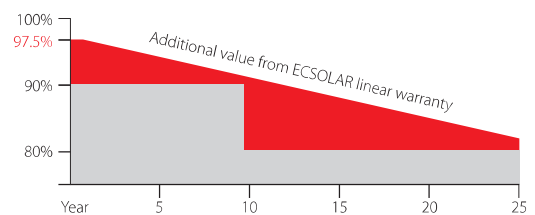
Series of internal harsh tests



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-315M72	ECS-320M72	ECS-325M72	ECS-330M72	ECS-335M72	ECS-340M72	ECS-345M72
Maximum Power-Pmax (Wp)	315	320	325	330	335	340	345
Voltage at Maximum Power-Vmp (V)	36.9	37.1	37.4	37.8	38.2	38.6	38.9
Current at Maximum Power-Imp (A)	8.54	8.63	8.71	8.73	8.77	8.81	8.87
Open Circuit Voltage-Voc (V)	45.3	45.4	46.3	46.6	46.9	47.4	47.8
Short Circuit Current-Isc (A)	8.84	8.93	9.07	9.44	9.52	9.56	9.62
Module Efficiency-ηm (%)	16.2	16.5	16.8	17	17.3	17.5	17.8
Power Tolerance (%)	0/+3	0/+3	0/+3	0/+3	0/+3	0/+3	0/+3

### Mechanical Characteristics

Cell Type	Mono-crystalline	156x156 mm (6 inches)
Number of Cells	72 (6x12)	
Dimension	1956x992x40 mm (77.01x39.06x1.57 inches)	
Weight	23.0 kg	
Front Glass	Low Iron Tempered Glass	
Encapsulant	EVA	
Frame	Anodized Aluminum Alloy	

### Temperature Characteristics

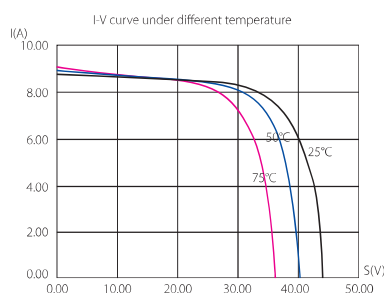
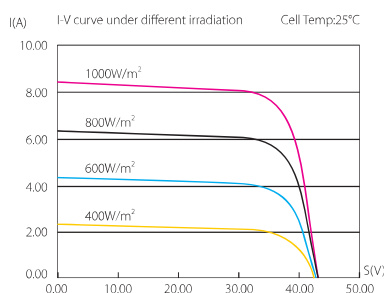
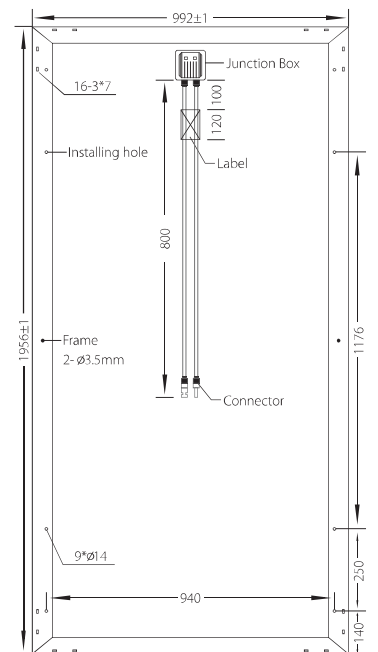
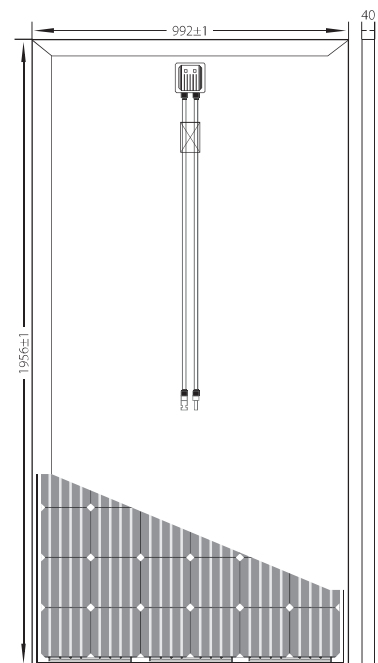
NOCT*	45±2°C
Temperature Coefficient of Pmax (%)	-0.40/°C
Temperature Coefficient of Voc (%)	-0.31/°C
Temperature Coefficient of Isc (%)	0.04/°C

### 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