

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



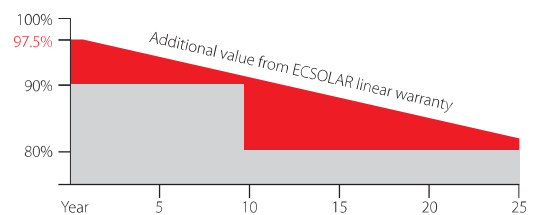
Series of internal harsh tests



Authorised photovoltaic certificates



Linear performance warranty



www.ecsolar.com

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

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

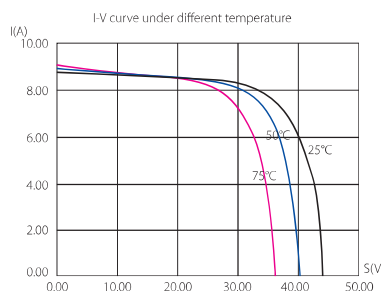
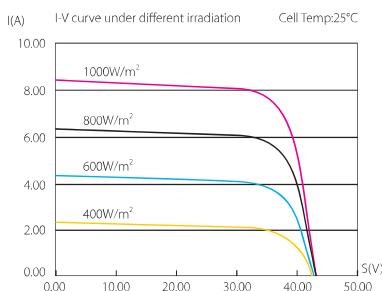
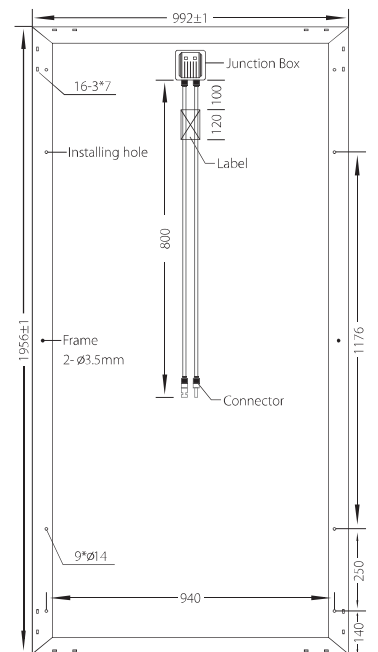
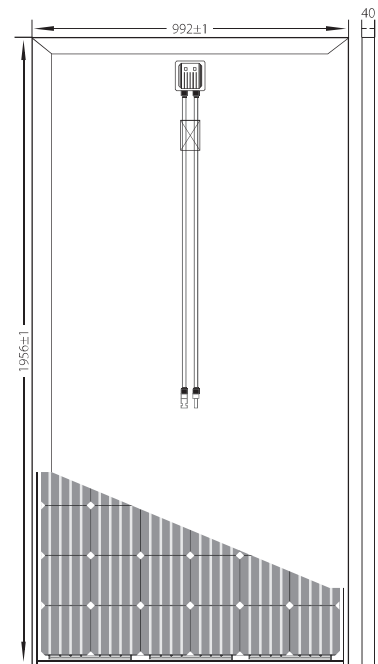
NOCT*	45±2°C
Temperature Coefficient of Pmax (%)	-0.40/°C
Temperature Coefficient of Voc (%)	-0.31/°C
Temperature Coefficient of Isc (%)	0.04/°C

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/m², cell temperature 25 °C, AM=1.5
ambient temperature 20 °C, wind speed 1 m/s

*NOCT (Nominal Operating Cell Temperature): Irradiance 800 W/m²,
The specifications in this datasheet are subjected to change without prior notice