

POLY-CRYSTALLINE MODULE

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



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



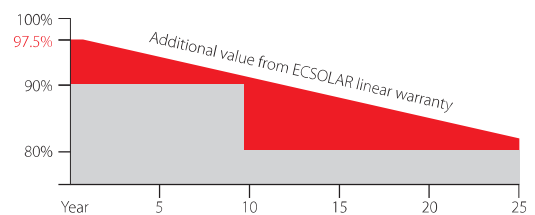
Series of internal harsh tests



Authorised photovoltaic certificates



Linear performance warranty



www.ecsolar.com

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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	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

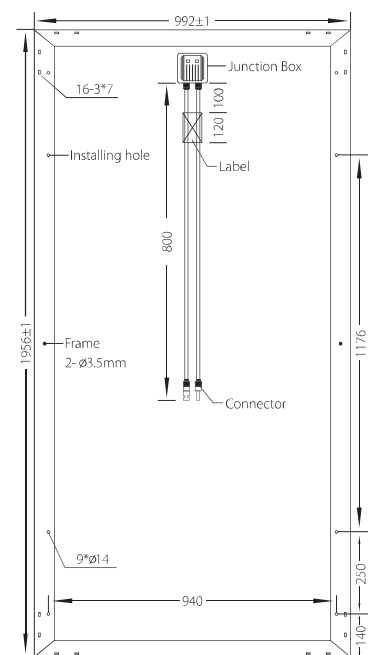
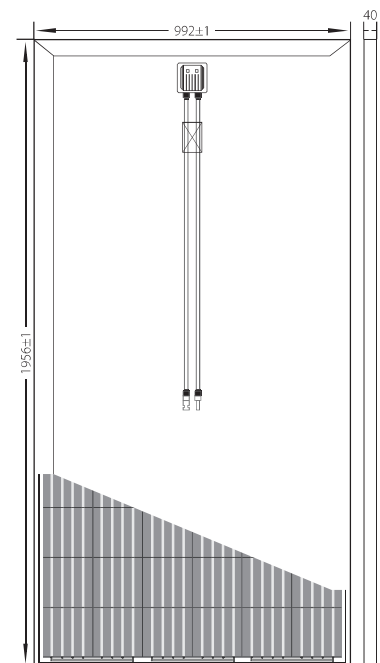
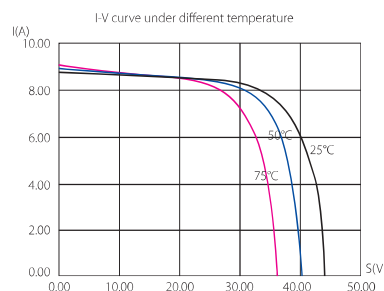
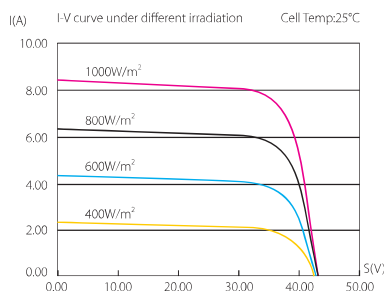
NOCT*	45±2°C
Temperature Coefficient of Pmax (%)	-0.40/°C
Temperature Coefficient of Voc (%)	-0.31/°C
Temperature Coefficient of Isc (%)	0.04/°C

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