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# **EnergyPal**

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

**Wuxi Saijing Solar Co., Ltd.  
ECS-250-280P60 All Black  
ECS-270P60**

Also available on the web at  
[EnergyPal.com/wuxi-saijing-solar-co-ltd-solar-panels/ecs-270p60](http://EnergyPal.com/wuxi-saijing-solar-co-ltd-solar-panels/ecs-270p60)

# POLY-CRYSTALLINE MODULE

ECS-250/255/260/265/270/275/280P60 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



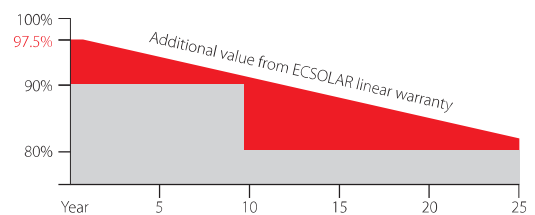
Series of internal harsh tests



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

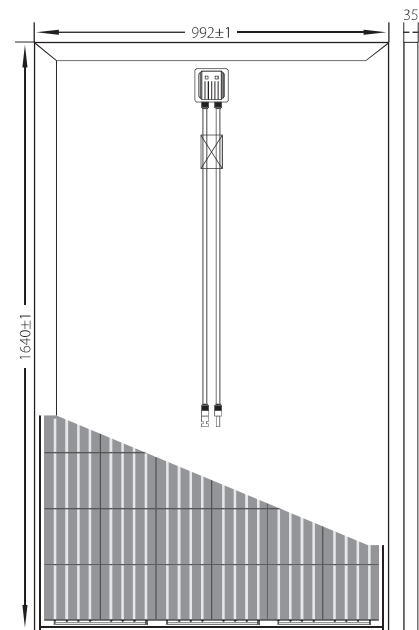
Tel: +86 25 8659 2702 Fax: +86 25 8659 2703 E-mail: [sales@ecsolar.com](mailto:sales@ecsolar.com)

### Electrical Characteristics under STC\*

Module Type	ECS-250P60	ECS-255P60	ECS-260P60	ECS-265P60	ECS-270P60	ECS-275P60	ECS-280P60
Maximum Power-Pmax (Wp)	250	255	260	265	270	275	280
Voltage at Maximum Power-Vmp (V)	30.1	30.4	30.8	31.0	31.1	31.5	31.8
Current at Maximum Power-Imp (A)	8.32	8.39	8.44	8.55	8.68	8.73	8.81
Open Circuit Voltage-Voc (V)	37.50	37.60	37.80	38.05	38.17	38.3	38.52
Short Circuit Current-Isc (A)	8.73	8.79	8.85	8.96	9.09	8.98	9.1
Module Efficiency-ηm (%)	15.4	15.7	16.0	16.2	16.5	16.9	17.2
Power Tolerance (%)	0/+3	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	60 (6x10)	
Dimension	1640x992x35 mm (64.57x39.06x1.38 inches)	
Weight	20.0 kg	
Front Glass	Low Iron Tempered Glass	
Encapsulant	EVA	
Frame	Anodized Aluminum Alloy	



### Temperature Characteristics

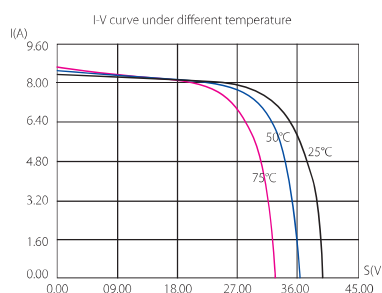
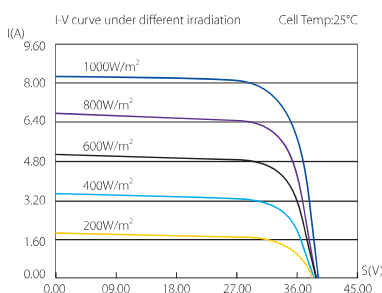
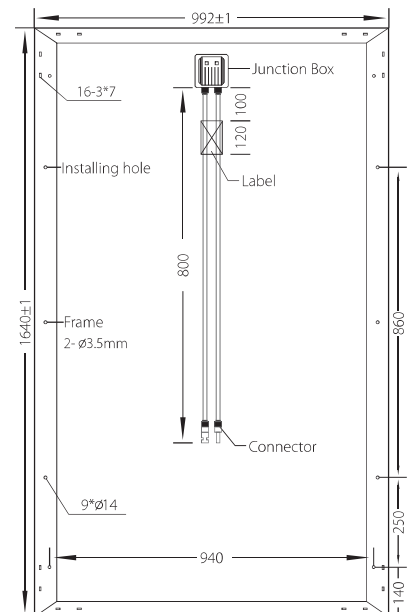
NOCT*	45±2°C
Temperature Coefficient of Pmax (%)	-0.40/°C
Temperature Coefficient of Voc (%)	-0.31/°C
Temperature Coefficient of Isc (%)	0.04/°C

### 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>, ambient temperature 20 °C, wind speed 1 m/s  
The specifications in this datasheet are subjected to change without prior notice