

For a Free Quote:

Web: **EnergyPal.com/solar**

Call: **1-800-990-3725**

Email: **contact@energypal.com**

EnergyPal

Solar Panel Guide Specification Data Sheet

Wuxi Saijing Solar Co., Ltd.

ECS-270-300M60

ECS-270M60

Also available on the web at
EnergyPal.com/wuxi-saijing-solar-co-ltd-solar-panels/ecs-270m60

MONO-CRYSTALLINE MODULE

ECS-270/275/280/285/290/295/300M60



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



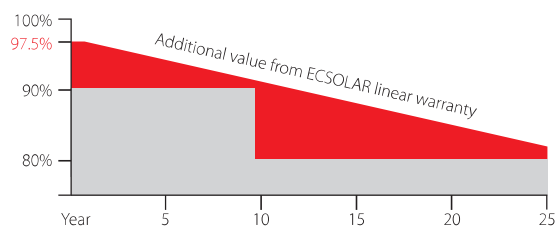
Series of internal harsh tests



Authorised photovoltaic certificates



Linear performance warranty

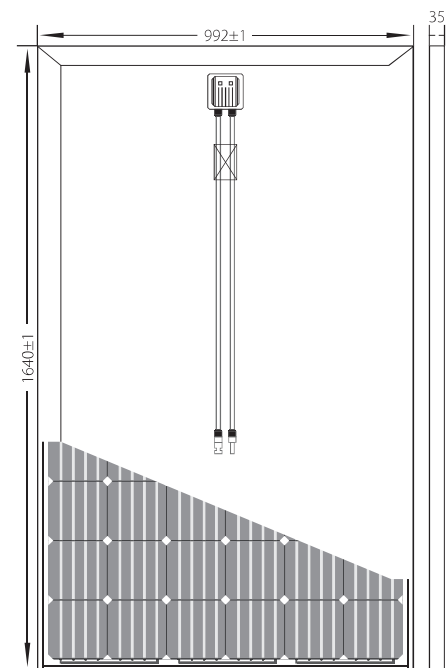


Electrical Characteristics under STC*

Module Type	ECS-270M60	ECS-275M60	ECS-280M60	ECS-285M60	ECS-290M60	ECS-295M60	ECS-300M60
Maximum Power-Pmax (Wp)	270	275	280	285	290	295	300
Voltage at Maximum Power-Vmp (V)	31.5	31.9	32.3	32.7	33.1	33.5	33.9
Current at Maximum Power-Imp (A)	8.57	8.62	8.67	8.72	8.76	8.81	8.86
Open Circuit Voltage-Voc (V)	38.5	38.9	39.3	39.8	40.2	40.6	41.0
Short Circuit Current-Isc (A)	9.35	9.43	9.50	9.55	9.62	9.75	9.83
Module Efficiency- η_m (%)	16.6	16.9	17.1	17.5	17.8	18.0	18.3
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	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

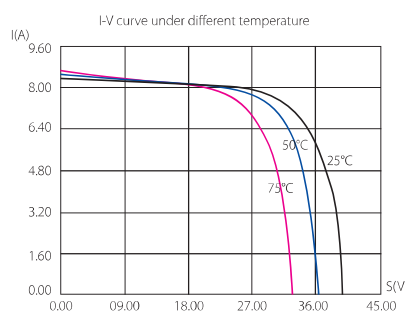
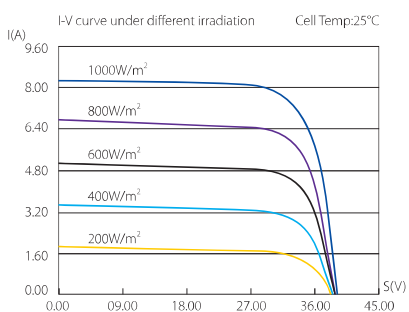
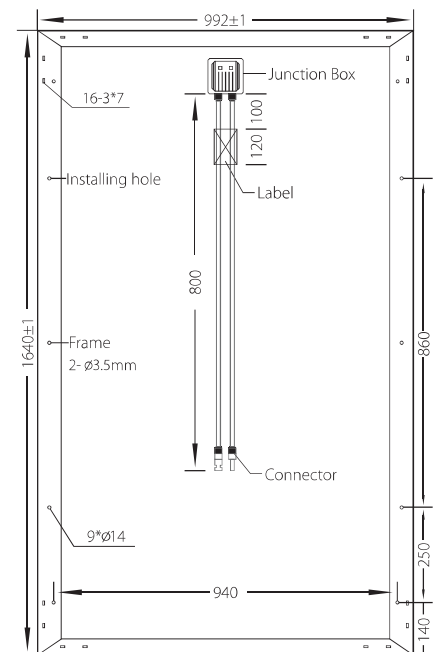
NOCT*	45±2°C
Temperature Coefficient of Pmax (%)	-0.40/°C
Temperature Coefficient of Voc (%)	-0.31/°C
Temperature Coefficient of Isc (%)	0.04/°C

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