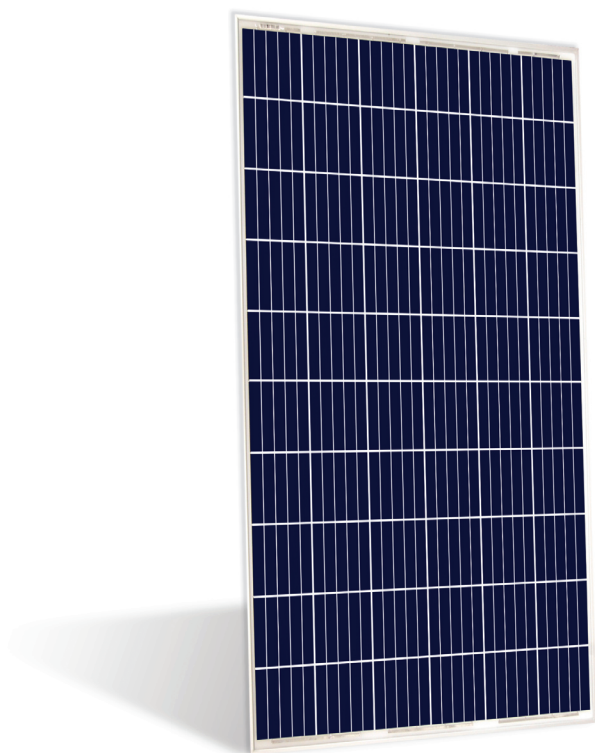


POLY-CRYSTALLINE PV MODULE

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



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



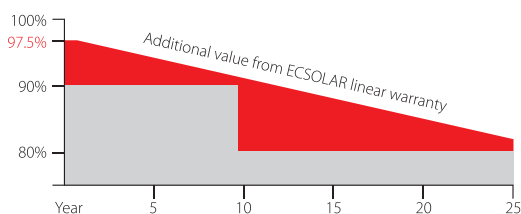
Series of internal harsh tests



Authorised photovoltaic certificates



Linear performance warranty

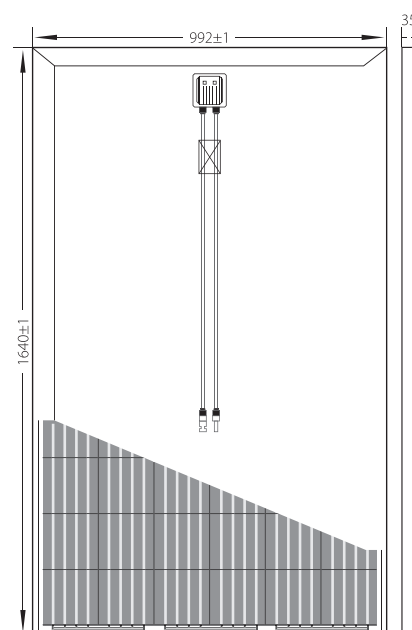


Electrical Characteristics under STC*

Module Type	ECS-250P60	ECS-255P60	ECS-260P60	ECS-265P60	ECS-270P60	ECS-275P60	ECS-280P60
Maximum Power-P _{max} (Wp)	250	255	260	265	270	275	280
Voltage at Maximum Power-V _{mp} (V)	30.1	30.4	30.8	31.0	31.1	31.5	31.8
Current at Maximum Power-I _{mp} (A)	8.32	8.39	8.44	8.55	8.68	8.73	8.81
Open Circuit Voltage-V _{oc} (V)	37.50	37.60	37.80	38.05	38.17	38.3	38.52
Short Circuit Current-I _{sc} (A)	8.73	8.79	8.85	8.96	9.09	8.98	9.1
Module Efficiency- η_m (%)	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	156×156 mm (6 inches)
Number of Cells	60 (6×10)	
Dimension	1640×992×35 mm (64.57×39.06×1.38 inches)	
Weight	20.0 kg	
Front Glass	Low Iron Tempered Glass	
Encapsulant	EVA	
Frame	Anodized Aluminum Alloy	



Temperature Characteristics

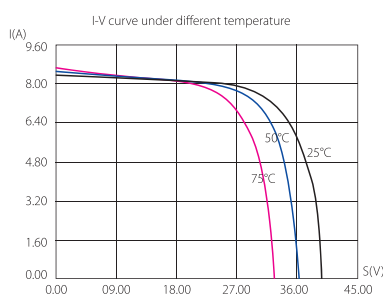
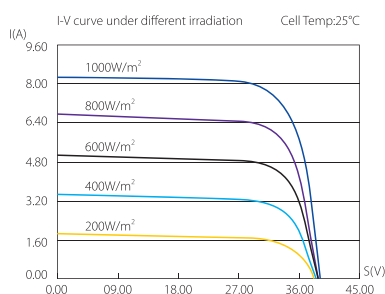
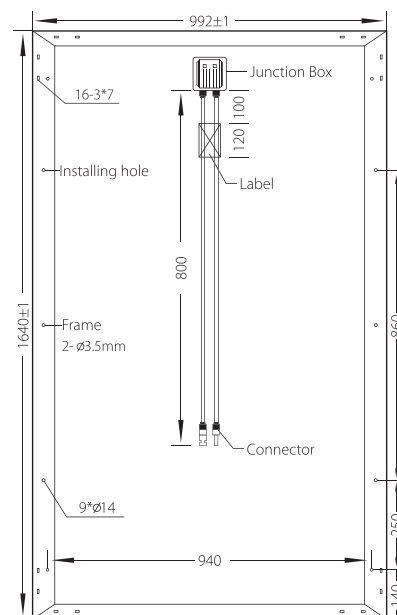
NOCT*	45±2°C
Temperature Coefficient of P _{max} (%)	-0.40/°C
Temperature Coefficient of V _{oc} (%)	-0.31/°C
Temperature Coefficient of I _{sc} (%)	0.04/°C

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