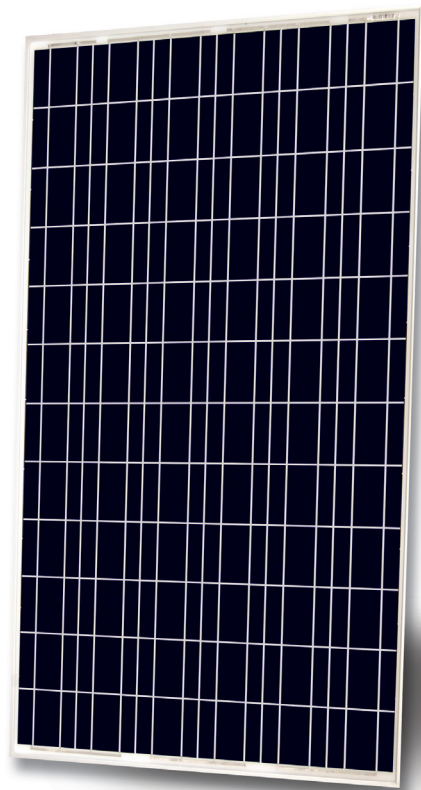




ECS-250/260/270/280/290P Poly-crystalline PV Module

Features

- ☛ High conversion efficiency through advanced manufacturing technology
- ☛ Excellent performance under weak light conditions (mornings, evenings and cloudy days)
- ☛ Withstand snow loads up to 5400 Pa and wind loads up to 2400 Pa under extreme temperature
- ☛ 10 years product warranty and 25 years performance warranty ensure reliability of modules
- ☛ Easy installation



Certificates

- ☛ Manufactured according to International Quality Management System Standard: ISO 9001
- ☛ Certified by CE, TÜV, IEC 61215, IEC 61730, MCS



Website:

www.ecsolar.com

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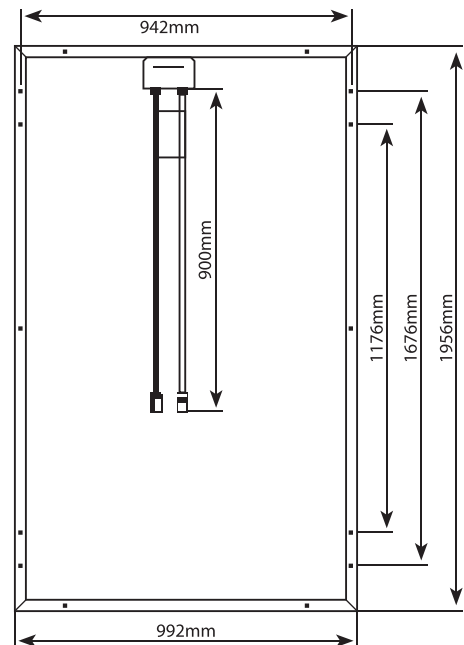
E-mail: sales@ecsolar.com

Electrical Characteristics under STC*

Module Type	ECS-250P	ECS-260P	ECS-270P	ECS-280P	ECS-290P
Maximum Power-Pmax (Wp)	250	260	270	280	290
Voltage at Maximum Power-Vmp (V)	34.6	34.8	35	35.2	35.4
Current at Maximum Power -Imp (A)	7.23	7.47	7.71	7.96	8.19
Open Circuit Voltage Voc (V)	43.8	44.1	44.4	44.6	44.8
Short Circuit Current-Isc (A)	7.68	8.09	8.2	8.33	8.56
Module Efficiency-ηm (%)	12.9	13.4	13.9	14.4	14.9
Power Tolerance (%)	0/+3	0/+3	0/+3	0/+3	0/+3

Mechanical Characteristics

Cell Type	Poly-crystalline	156×156 mm (6 inches)
Number of Cells	72 (6×12)	
Dimension	1956×992×50 mm (77.01×39.06×1.97 inches)	
Weight	25.0 kg	
Front Glass	Low Iron Tempered Glass	
Encapsulant	EVA	
Frame	Anodized Aluminum Alloy	



Temperature Characteristics

NOCT*	45±2°C
Temperature Coefficient of Pmax	-0.50%/°C
Temperature Coefficient of Voc	-0.35%/°C
Temperature Coefficient of Isc	0.060%/°C

Maximum System Ratings

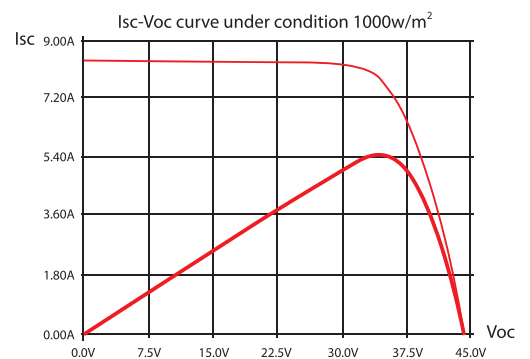
Operating Temperature	-40°C to +80°C
Maximum System Voltage	1000V DC
Maximum Series Fuse Rating	10A

Warranty

10 years product warranty

10 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

*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