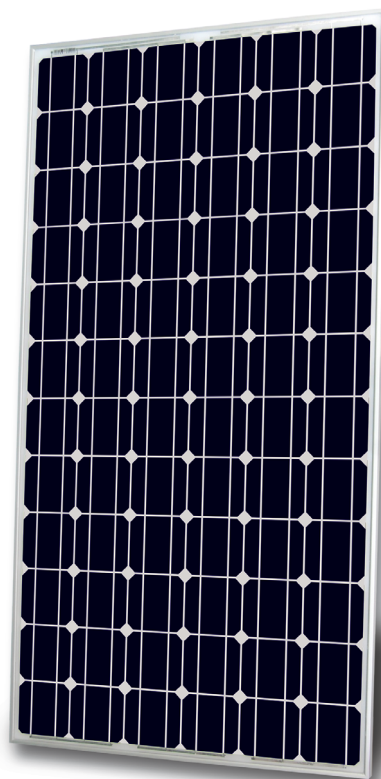




ECS-260/270/280/290/300M72 Mono-crystalline PV Module

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 and approved by CE, TUV, IEC 61215, IEC 61730, MCS and CEC

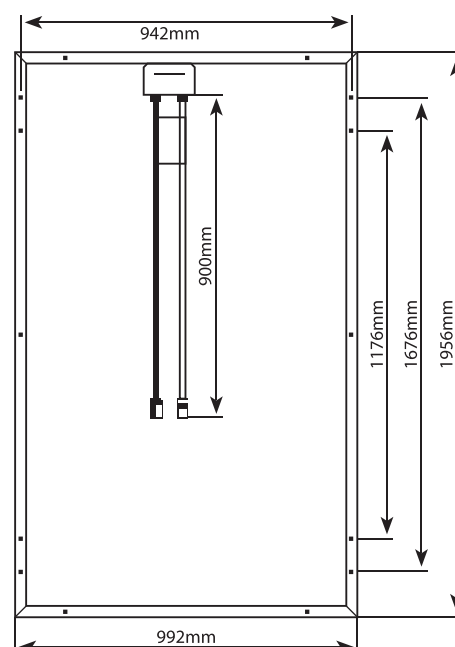


Electrical Characteristics under STC*

Module Type	ECS-260M72	ECS-270M72	ECS-280M72	ECS-290M72	ECS-300M72
Maximum Power-P _{max} (Wp)	260	270	280	290	300
Voltage at Maximum Power-V _{mp} (V)	35.2	35.5	35.9	36.2	36.4
Current at Maximum Power -I _{mp} (A)	7.39	7.61	7.8	8.01	8.24
Open Circuit Voltage Voc (V)	44.2	44.4	44.6	44.8	45
Short Circuit Current-I _{sc} (A)	7.71	7.92	8.12	8.33	8.56
Module Efficiency-η _m (%)	13.4	13.9	14.4	14.9	15.5
Power Tolerance (%)	0/+3	0/+3	0/+3	0/+3	0/+3

Mechanical Characteristics

Cell Type	Mono-crystalline 156×156 mm (6 inches)
Number of Cells	72 (6×12)
Dimension	1956×992×40 mm (77.01×39.06×1.57 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 P _{max}	-0.50%/°C
Temperature Coefficient of Voc	-0.35%/°C
Temperature Coefficient of I _{sc}	0.060%/°C

Maximum System Ratings

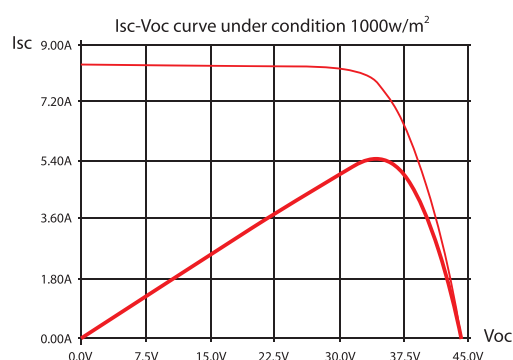
Operating Temperature	-40°C to +80°C
Maximum System Voltage	1000V DC
Maximum Series Fuse Rating	10A

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