

ECS-230/235/240/245/250/255P60

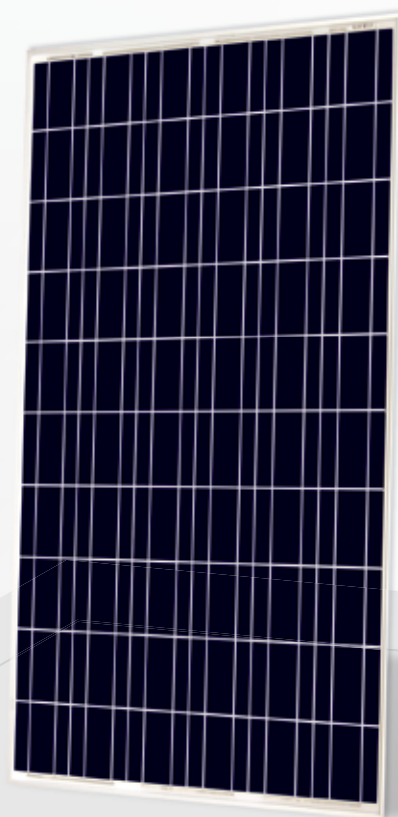
Poly-crystalline PV Module

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 Management System Standard
Quality Management system: ISO9001
Environmental Management System: ISO14001
Occupational Health and Safety Management System: OHSAS18001
- ☛ Certified and approved by CE, TUV, IEC 61215, IEC 61730, MCS, CEC and PV CYCLE

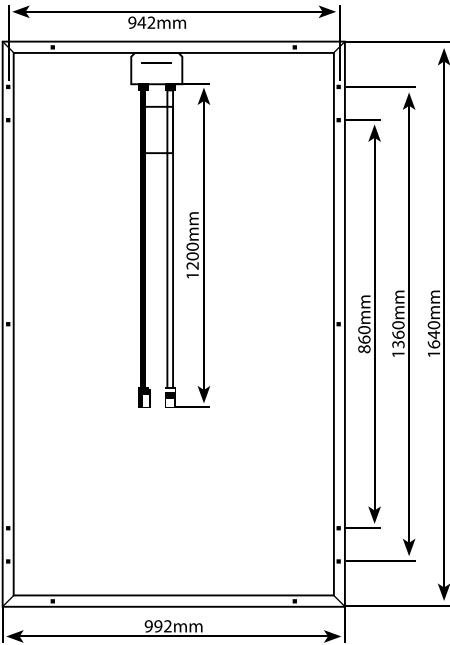


Electrical Characteristics under STC*

Module Type	ECS-230P60	ECS-235P60	ECS-240P60	ECS-245P60	ECS-250P60	ECS-255P60
Maximum Power-Pmax (Wp)	230	235	240	245	250	255
Voltage at Maximum Power-Vmp (V)	29.2	29.3	29.4	29.7	30.1	30.4
Current at Maximum Power -Imp (A)	7.88	8.02	8.17	8.25	8.32	8.39
Open Circuit Voltage Voc (V)	37.1	37.2	37.3	37.4	37.5	37.6
Short Circuit Current-Isc (A)	8.32	8.38	8.52	8.64	8.73	8.79
Module Efficiency-ηm (%)	14.1	14.4	14.8	15.1	15.4	15.7
Power Tolerance (%)	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	1640×992×40 mm (64.57×39.06×1.57 inches)
Weight	20.0 kg
Front Glass	Low Iron Tempered Glass
Encapsulant	EVA
Frame	Anodized Aluminum Alloy



Temperature Characteristics

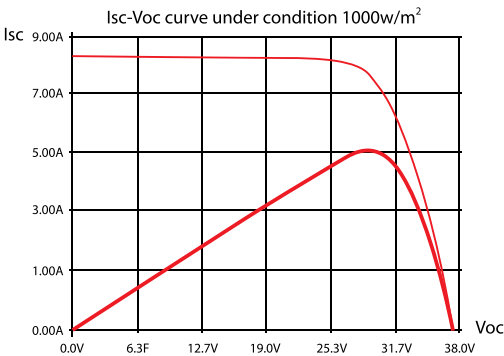
NOCT*	45±2°C
Temperature Coefficient of Pmax (%)	-0.44/°C
Temperature Coefficient of Voc (%)	-0.33/°C
Temperature Coefficient of Isc (%)	0.055/°C

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