

ECS-240/245/250/255/260/265M60 All-black 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 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

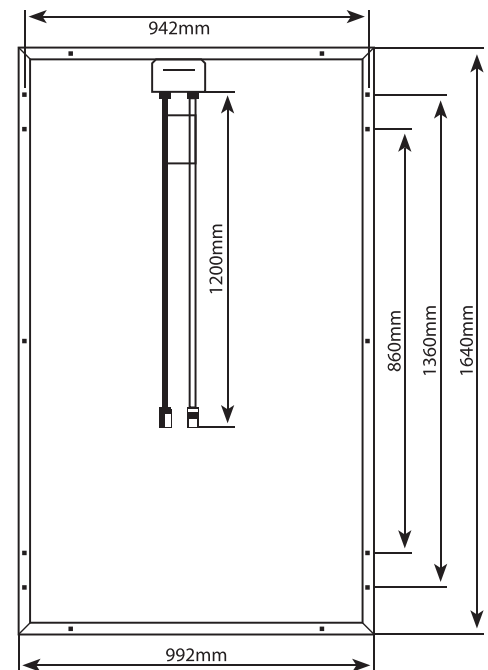


Electrical Characteristics under STC*

| Module Type | ECS-240M60 | ECS-245M60 | ECS-250M60 | ECS-255M60 | ECS-260M60 | ECS-265M60 |
|-----------------------------------|------------|------------|------------|------------|------------|------------|
| Maximum Power-Pmax (Wp) | 240 | 245 | 250 | 255 | 260 | 265 |
| Voltage at Maximum Power-Vmp (V) | 30 | 30.2 | 30.3 | 30.5 | 30.7 | 30.9 |
| Current at Maximum Power -Imp (A) | 8.01 | 8.12 | 8.25 | 8.37 | 8.47 | 8.58 |
| Open Circuit Voltage Voc (V) | 37.3 | 37.4 | 37.5 | 37.6 | 37.7 | 37.8 |
| Short Circuit Current-Isc (A) | 8.34 | 8.44 | 8.56 | 8.68 | 8.8 | 8.9 |
| Module Efficiency- η_m (%) | 14.7 | 15.0 | 15.3 | 15.6 | 16 | 16.3 |
| Power Tolerance (%) | 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 | 1640x992x40mm (64.57x39.06x1.57 inches) |
| Weight | 20.0 kg |
| Front Glass | Low Iron Tempered Glass |
| Encapsulant | EVA |
| Frame | Anodized Aluminum Alloy |



Temperature Characteristics

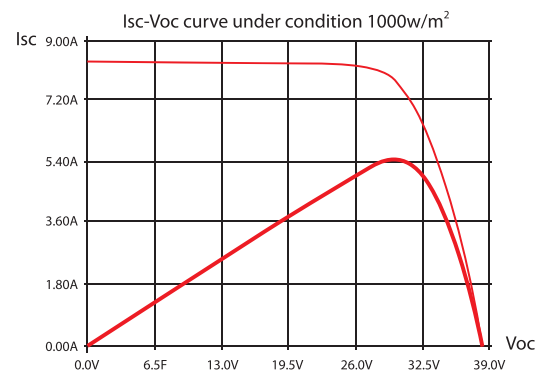
| | |
|-------------------------------------|----------|
| NOCT* | 45±2°C |
| Temperature Coefficient of Pmax (%) | -0.44/°C |
| Temperature Coefficient of Voc (%) | -0.33/°C |
| Temperature Coefficient of Isc (%) | 0.055/°C |

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