



PREMIUM SERIES

ECO MODULE POLYCRYSTALLINE

- ECO-240P60 240Wp
- ECO-245P60 245Wp
- ECO-250P60 250Wp



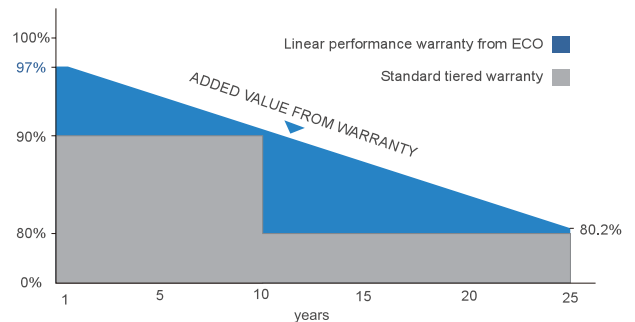
ECO-***P60 All black series as optional

Features

- Cost-effective standard solar modules for skylight, roofing and facades applications.
- 0 to +3% positive tolerance for mainstream products.
- Withstand high wind loads and snow loads (5400Pa).
- Anti-reflective highly transparent, low iron tempered glass.
- Whole black and frame features aesthetic appearance.
- Transmission rate 3.18%.

Benefits

- 25-year linear performance warranty;
- 10-year warranty on materials and workmanship.
- Product enforced by CHUBB insurance.
- 48 hour-response service.
- Enhanced design for easy installation and long-term reliability.



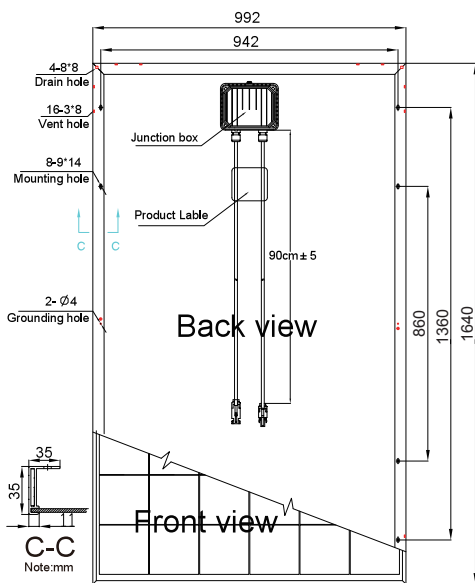
ECO FUTURE MANUFACTURER INDUSTRY (MALAYSIA) SDN BHD

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Typical electrical characteristics

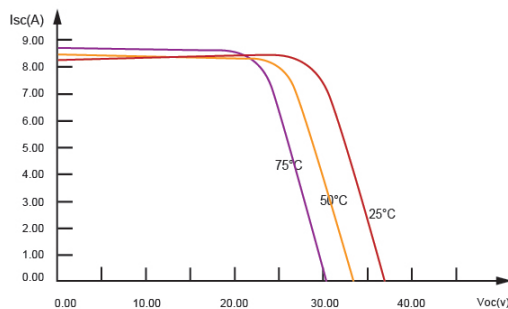
| Characteristics | ECO-240P60 | ECO-245P60 | ECO-250P60 |
|--|------------|------------|------------|
| Max.Power(Pmax) | 240Wp | 245Wp | 250Wp |
| Optimum Operating Voltage(Vm) | 30.20V | 30.25V | 30.76V |
| Optimum Operating Current(I _m) | 7.96A | 8.10A | 8.13A |
| Open-circuit Voltage(Voc) | 37.70V | 37.73V | 37.75V |
| Short-circuit Current(Isc) | 8.38A | 8.55A | 8.55A |
| Cell Efficiency | 16.4% | 16.80% | 17.10% |
| Module Efficiency | 14.75% | 15.06% | 15.37% |

Note: the specifications are obtained under the Standard Test Condition(STC):1000 W/m² solar irradiance, AM1.5, Cell Temperature 25 °C .



| | |
|---|----------------------------|
| Solar Cell | Poly-crystalline 156*156mm |
| Output Tolerance(Pmax) | 0 ~ +3% |
| Number of cells | 60 cells in series |
| Module Dimension | 1640*992*35mm |
| Weight | 18.8kg |
| Max.System Voltage | 1000V(TUV)/600V(UL) |
| Max.Series Fuse Rating | 15A |
| Output Cable | PV 4mm ² |
| Cable Length | 90cm±5 |
| Number of bypass diodes | 3/6 |
| Temperature cycling range | (-40 ~ 85°C) |
| NOCT | 47°C ±2°C |
| Temperature coefficients of Isc | +(0.053±0.01)%/K |
| Temperature coefficients of Voc | -(0.35±0.001)%/K |
| Temperature coefficients of Pmax | -(0.40±0.05)%/K |
| Load Capacity | 330 pcs/20'GP |
| | 868 pcs/40'HQ |

I-V Curves of PV module ECO-250P60 at various cell temperatures



I-V Curves of PV module ECO-250P60 at various solar irradiance

