



ECO FUTURE

Premium Series

### ECO MODULE MONOCRYSTALLINE

ECO-240C60	240Wp
ECO-245C60	245Wp
ECO-250C60	250Wp
ECO-255C60	255Wp
ECO-260C60	260Wp



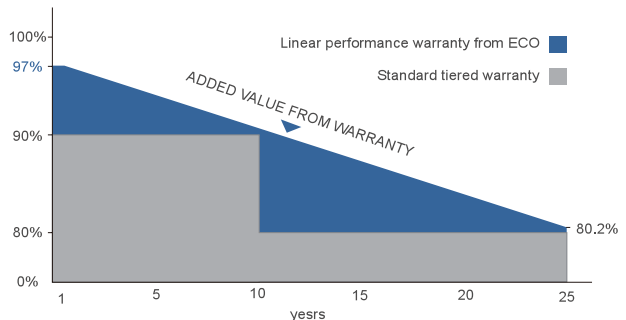
ECO-\*\*\*CB60 All black Series as optional

### Features

- Cost-effective standard solar modules for skylight, roofing and facades applications
- 0 to +3W 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



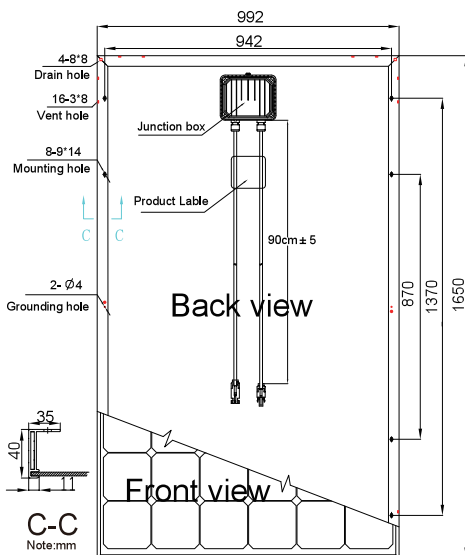
Suntellite UK

Unit 77A Ashby Road, Markfield, Leicestershire, LE67 9AU.  
www.suntellitesolar.co.uk

## Typical electrical characteristics

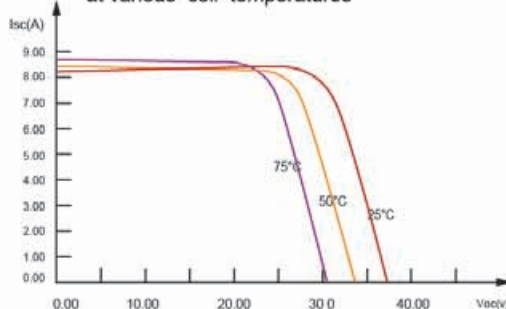
Characteristics	ECO-240C60	ECO-245C60	ECO-250C60	ECO-255C60	ECO-260C60
Max.Power(Pmax)	240Wp	245Wp	250Wp	255Wp	260Wp
Optimum Operating Voltage(Vm)	30.34V	30.84V	31.17V	31.17V	31.20V
Optimum Operating Current(I <sub>m</sub> )	7.92A	7.95A	8.03A	8.19A	8.34A
Open-circuit Voltage(Voc)	37.76V	37.80V	37.85V	37.97V	38.82V
Short-circuit Current(I <sub>sc</sub> )	8.35A	8.38A	8.40A	8.58A	8.71A
Cell Efficiency	16.7%	17.1%	17.4%	17.8%	18.10%
Module Efficiency	14.7%	15.0%	15.3%	15.6%	15.9%

Note: the specifications are obtained under the Standard Test Condition(STC):1000 W/m<sup>2</sup> solar irradiance, AM1.5, Cell Temperature 25 °C .



<b>Solar Cell</b>	Mono-crystalline 156*156mm
<b>Output Tolerance(Pmax)</b>	0 ~ +3%
<b>Number of cells</b>	60 cells in series
<b>Module Dimension</b>	1650*992*40mm
<b>Weight</b>	19.5kg
<b>Max.System Voltage</b>	1000V(TUV)/600V(UL)
<b>Max.Series Fuse Rating</b>	15A
<b>Output Cable</b>	PV 4mm <sup>2</sup>
<b>Cable Length</b>	90cm±5
<b>Number of bypass diodes</b>	6
<b>Temperature cycling range</b>	(-40 ~ 85 °C )
<b>NOCT</b>	47 °C ±2 °C
<b>Temperature coefficients of I<sub>sc</sub></b>	+(0.053±0.01)%/K
<b>Temperature coefficients of Voc</b>	-(0.35±0.001)%/K
<b>Temperature coefficients of Pmax</b>	-(0.40±0.05)%/K
<b>Load Capacity</b>	285 pcs/20'GP
	756 pcs/40'HQ

I-V Curves of PV module ECO-250C60 at various cell temperatures



I-V Curves of PV module ECO-250C60 at various solar irradiance

