



100W / 150W Mono-crystalline Solar Panels

044045 / 044046

Introduction

Camec 100Watt & 150Watt Mono-crystalline solar panels use solar cell's which are manufactured using the latest manufacturing techniques and highest grade Monocrystalline. Each solar cell has a SIN surface anti-reflective coating, which provides a uniform blue color and helps to absorb more light in all weather conditions. Together with BSF (Black Surface Field) structure, the solar cell shows superior conversion efficiency.

Design Features

- High Efficiency A-Grade Monocrystalline solar cells
- Diode by-pass to minimise power drop caused by shade
- Anodized aluminum alloy frame
- Anti-reflective high transparency tempered glass
- Solar cell embedded in EVA (ethylene vinyl acetate) for superior life.
- Tedlar foil backing

150Watt Technical Details

Size of solar Cell	156x156mm
Max. Power output (Pm)	150Watt
Output tolerance	± 5%
Open circuit voltage(Voc)	22.4V
Short circuit current (Isc)	8.66A
Working current (Imp)	8.31A
Working voltage (Vmp)	18.1V
Type of output terminal	Junction box
Testing conditions	AM1.5, 1000W/m ² , 25°C

100Watt Panel Technical Specifications

Size of solar Cell	156x156mm
Max. Power output (Pm)	100Watt
Output tolerance	±5%
Open circuit voltage(Voc)	22.5V
Short circuit current (Isc)	6.18A
Working current (Imp)	5.81A
Working voltage (Vmp)	17.2V
Type of output terminal	Junction box
Testing conditions	AM1.5, 1000W/m ² , 25°C

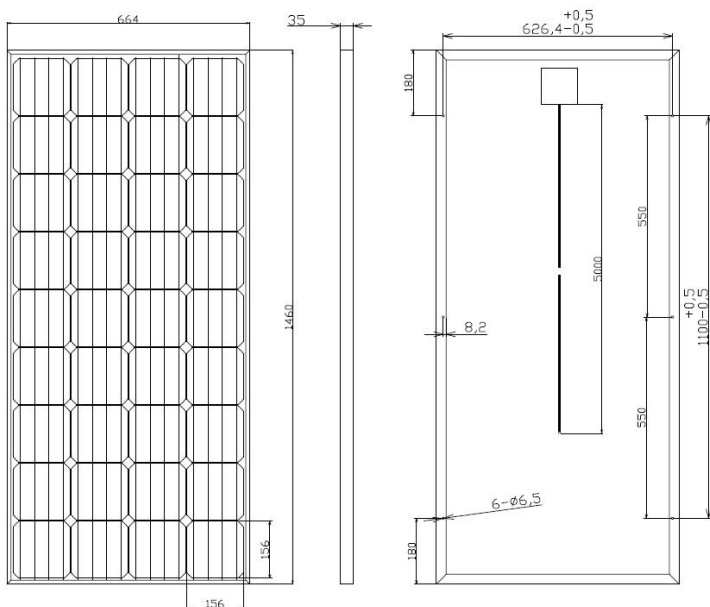
Absolute maximum limits

Parameters	Rating	Unit
Operation temperature	-40 to + 85	° C
Storage temperature	-40 to + 85	° C
Dielectric Voltage	1800 max	V-DC

Temperature coefficients

Current temperature coefficient	α (Isc)	+0.10% / ° C
Voltage temperature coefficient	B (Voc)	-0.38% / ° C
Power temperature coefficient	γ (Wp)	-0.47% / ° C

Dimensions 150W



Dimensions 100W

