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# EnergyPal

## **Solar Panel Guide Specification Data Sheet**

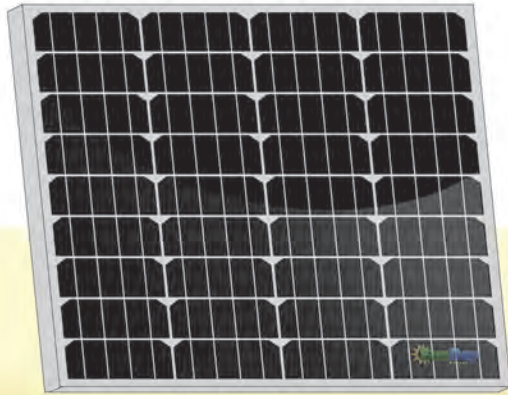
**Changzhou Sunday Energy Co., Ltd.**

**SDM-60**

**SDM-60**

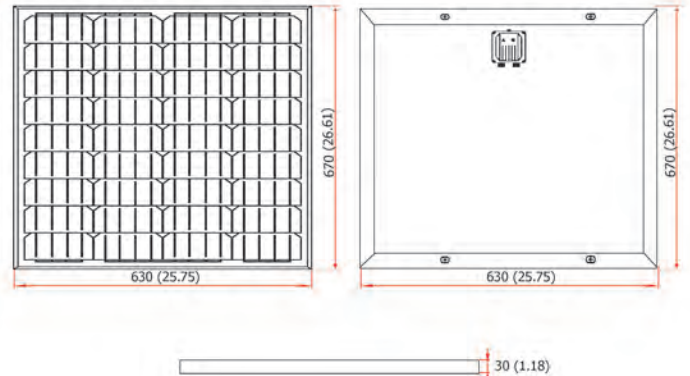
Also available on the web at  
[EnergyPal.com/changzhou-sunday-energy-co-ltd-solar-panels/sdm-60](http://EnergyPal.com/changzhou-sunday-energy-co-ltd-solar-panels/sdm-60)

# MONOCRYSTALLINE MODULE 60W



SOLAR MODULE:  
SDM-60

## PHYSICAL CHARACTERISTICS Unit: mm (inch)



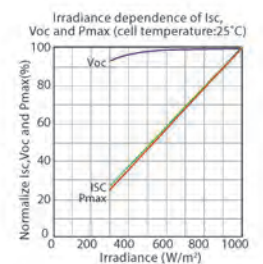
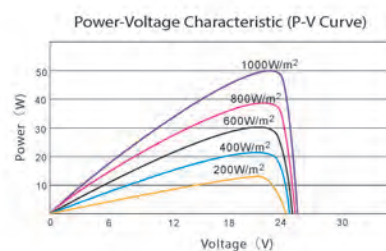
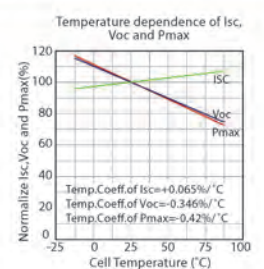
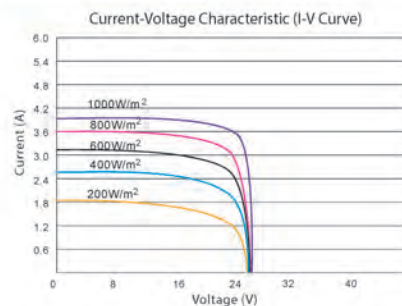
## ELECTRICAL SPECIFICATIONS

Model Type	SDM-60
Nominal Maximum Power (Pmax)	60W
Optimum Operating Voltage (Vmp)	17.20V
Optimum Operating Current (Imp)	3.49A
Open Circuit Voltage (Voc)	21.40V
Short Circuit Current (Isc)	3.90A
Module Efficiency	14.29%
Cell Efficiency	17.45%
Power Tolerance	0 to +3%
Maximum System Voltage	DC 1000V
Operating Temperature	-40°C ~ +85°C
Maximum Series Fuse Rating	10A
Number of Bypass Diode	2

## MECHANICAL DATA

Cell Type	156mm x 63mm
Cell Arrangement	36 cells in series
Dimensions	670 x 630 x 30mm
Weight	5.50kg
Front Cover	3.2mm tempered glass
Frame Material	Anodized aluminium alloy
J-Box	IP65, 2 diodes
Cable	2.5mm <sup>2</sup> (IEC) / 12AWG (UL), 900mm (650mm is optional)

## ELECTRICAL CHARACTERISTICS



## TEMPERATURE CHARACTERISTICS

Temperature Coefficient (Pmax)	-0.420% / °C
Temperature Coefficient (Voc)	-0.346% / °C
Temperature Coefficient (Isc)	0.065% / °C
Normal Operating Cell Temperature	45.3 ± 2 °C