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# **EnergyPal**

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

**Changzhou Daily Energy Co., Ltd.**

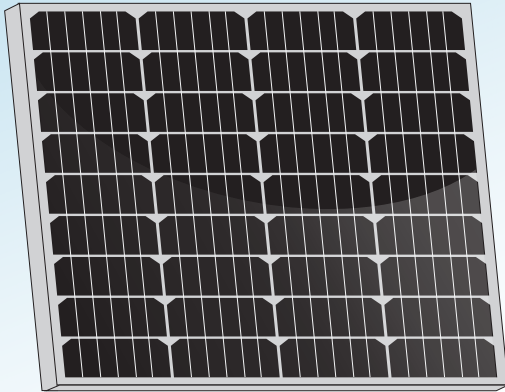
**Mono 50-60W**

**DS-50M6-36**

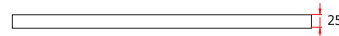
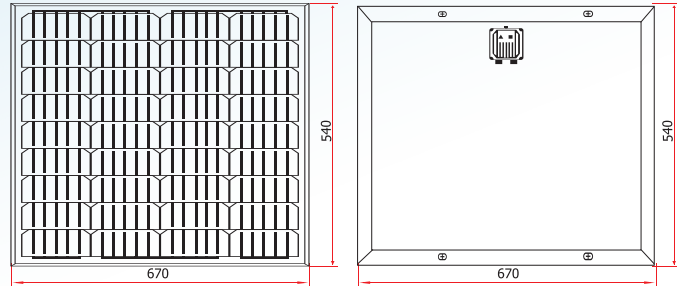
Also available on the web at  
[EnergyPal.com/changzhou-daily-energy-co-ltd-solar-panels/ds-50m6-36](http://EnergyPal.com/changzhou-daily-energy-co-ltd-solar-panels/ds-50m6-36)

# Mono-Crystalline Solar Module

## 50-60 Watt



### PHYSICAL CHARACTERISTICS Unit:mm



### ELECTRICAL SPECIFICATIONS

Model Type	DS-50M6-36	DS-55M6-36	DS-60M6-36
Nominal Maximum Power (Pmax)	50	55	60
Optimum Operating Voltage (Vmp)	17.60V	17.80V	18.05V
Optimum Operating Current (Imp)	2.85A	3.09A	3.33A
Open Circuit Voltage (Voc)	21.60V	21.65V	21.70V
Short Circuit Current (Isc)	3.00A	3.25A	3.50A
Module Efficiency	13.82%	15.20%	16.58%
Cell Efficiency	17.20%	18.90%	20.60%
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		1	

### MECHANICAL DATA

Cell Type	156mm x 52mm
Cell Arrangement	36 cells in series
Dimensions	540 x 670 x 25 mm
Weight	3.90kg
Front Cover	3.2mm tempered glass
Frame Material	Anodized aluminium alloy
J- Box	IP65, 1 diode
Cable	2.5mm <sup>2</sup> , 900mm (650mm is optional)

### TEMPERATURE CHARACTERISTICS

Temperature Coefficient (Pmax)	-0.438% / °C
Temperature Coefficient (Voc)	-0.297% / °C
Temperature Coefficient (Isc)	0.037% / °C
Normal Operating Cell Temperature	45 ± 2 °C

### ELECTRICAL CHARACTERISTICS

