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# **EnergyPal**

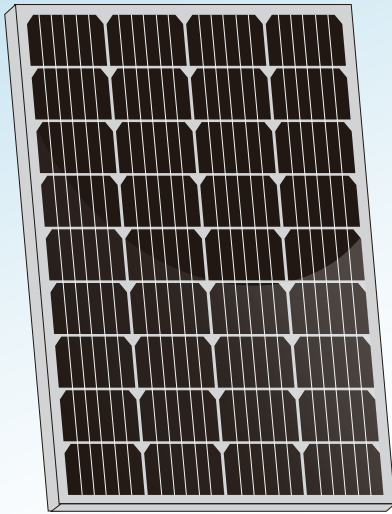
## **Solar Panel Guide Specification Data Sheet**

**Changzhou Daily Energy Co., Ltd.  
Mono 130-145W  
DS-140M6-36**

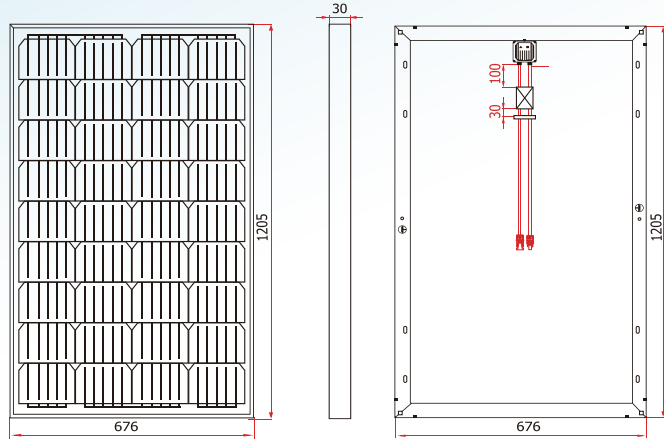
Also available on the web at  
[EnergyPal.com/changzhou-daily-energy-co-ltd-solar-panels/ds-140m6-36](http://EnergyPal.com/changzhou-daily-energy-co-ltd-solar-panels/ds-140m6-36)

# Mono-Crystalline Solar Module

## 130-145 Watt



### PHYSICAL CHARACTERISTICS Unit:mm



### ELECTRICAL SPECIFICATIONS

Model Type	DS-130M6-36	DS-135M6-36	DS-140M6-36	DS-145M6-36
Nominal Maximum Power (Pmax)	130	135	140	145
Optimum Operating Voltage (Vmp)	18.00V	18.05V	18.05V	18.10V
Optimum Operating Current (Imp)	7.23A	7.48A	7.76A	8.01A
Open Circuit Voltage (Voc)	21.45V	21.65V	21.85V	22.05V
Short Circuit Current (Isc)	7.83A	8.09A	8.32A	8.54A
Module Efficiency	15.96%	16.57%	17.19%	17.80%
Cell Efficiency	18.60%	19.30%	20.00%	20.80%
Power Tolerance		0 to +3%		
Maximum System Voltage		DC 1000V		
Operating Temperature		-40 C ~ +85 C		
Maximum Series Fuse Rating		15A		
Number of Bypass Diode		2		

### MECHANICAL DATA

Cell Type	156mm x 125mm
Cell Arrangement	36 cells in series
Dimensions	1205 x 676 x 30mm
Weight	10.10kg
Front Cover	3.2mm tempered glass
Frame Material	Anodized aluminium alloy
J- Box	IP65, 2 diodes
Cable	2.5mm <sup>2</sup> , 900mm (650mm is optional)
Connectors	MC4 or MC4 compatible

### TEMPERATURE CHARACTERISTICS

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

### ELECTRICAL CHARACTERISTICS

