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Solar Panel Guide Specification Data Sheet

Changzhou Sunday Energy Co., Ltd.

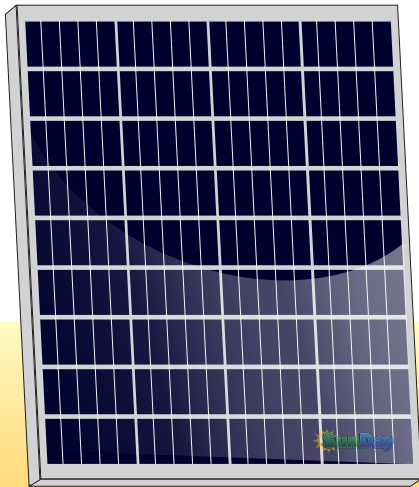
SDP-70-80

SDP-70

Also available on the web at
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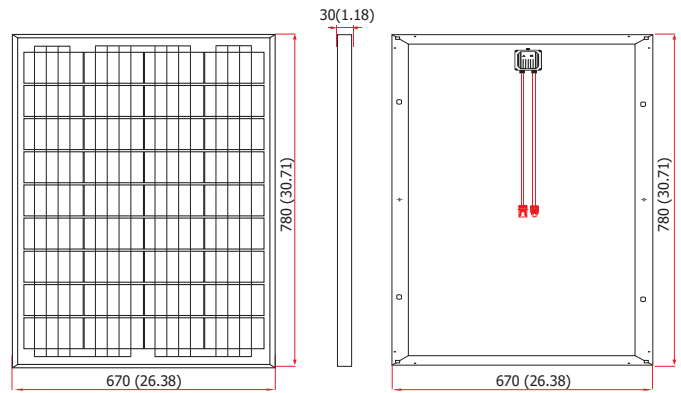
POLYCRYSTALLINE

MODULE 70W - 80W



SOLAR MODULE:
SDP-70, SDP-80

PHYSICAL CHARACTERISTICS Unit:mm (inch)



ELECTRICAL SPECIFICATIONS

Model Type	SDP-70	SDP-80
Nominal Maximum Power (Pmax)	70W	80W
Optimum Operating Voltage (Vmp)	17.40V	17.76V
Optimum Operating Current (Imp)	4.03A	4.51A
Open Circuit Voltage (Voc)	21.60V	21.65V
Short Circuit Current (Isc)	4.56A	4.62A
Module Efficiency	13.39%	15.30%
Cell Efficiency	17.00%	18.30%
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 78mm
Cell Arrangement	36 cells in series
Dimensions	780 x 670 x 30mm
Weight	6.15kg
Front Cover	3.2mm tempered glass
Frame Material	Anodized aluminium alloy
J-Box	IP65, 2 diodes
Cable	2.5mm ² (IEC) / 12AWG (UL), 900mm (650mm is optional)
Connectors	MC4 or MC4 compatible

TEMPERATURE CHARACTERISTICS

Temperature Coefficient (Pmax)	-0.410% / °C
Temperature Coefficient (Voc)	-0.346% / °C
Temperature Coefficient (Isc)	0.065% / °C
Nominal Operating Cell Temperature	45.3 ± 2 °C

ELECTRICAL CHARACTERISTICS

(SDP-80)

