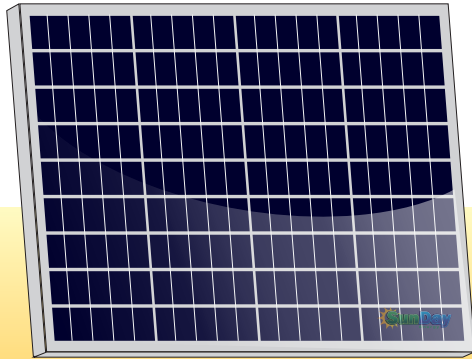
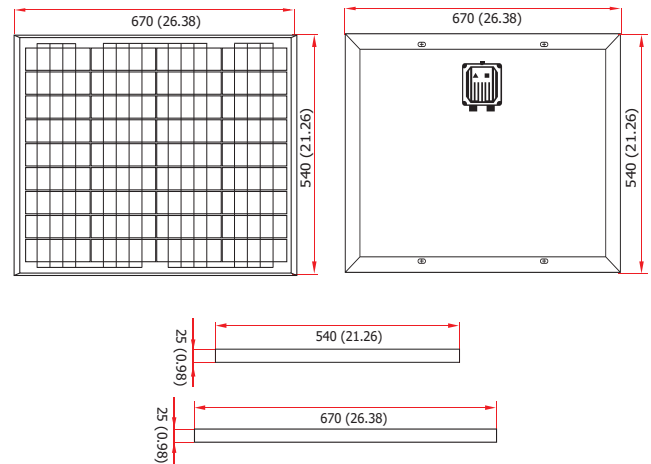


# POLYCRYSTALLINE MODULE 50W



SOLAR MODULE:  
SDP-50

## PHYSICAL CHARACTERISTICS Unit: mm (inch)



## ELECTRICAL SPECIFICATIONS

Model Type	SDP-50
Nominal Maximum Power (Pmax)	50W
Optimum Operating Voltage (Vmp)	17.50V
Optimum Operating Current (Imp)	2.86A
Open Circuit Voltage (Voc)	21.55V
Short Circuit Current (Isc)	3.05A
Module Efficiency	13.80%
Cell Efficiency	17.10%
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 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> (IEC) / 12AWG (UL), 900mm (650mm is optional)

## TEMPERATURE CHARACTERISTICS

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

## ELECTRICAL CHARACTERISTICS

