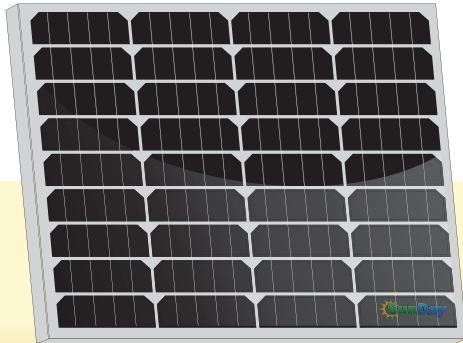
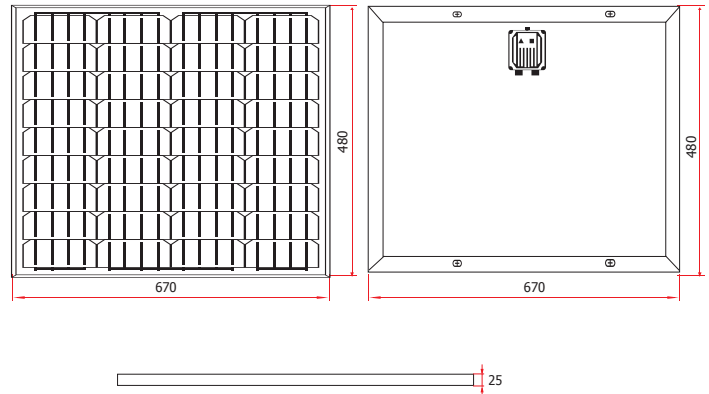


MONOCRYSTALLINE MODULE 40W-45W

PHYSICAL CHARACTERISTICS Unit: mm (inch)



SOLAR MODULE:
SDM-40,SDM-45



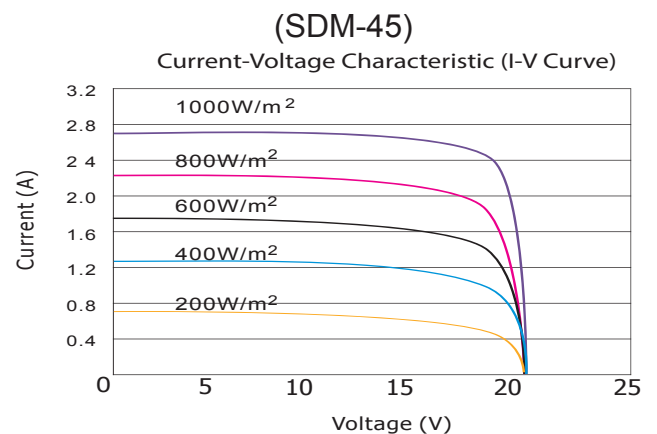
ELECTRICAL SPECIFICATIONS

Model Type	SDM-40	SDM-45
Nominal Maximum Power (Pmax)	40W	45W
Optimum Operating Voltage (Vmp)	17.85V	17.90V
Optimum Operating Current (Imp)	2.25A	2.52A
Open Circuit Voltage (Voc)	21.60V	21.60V
Short Circuit Current (Isc)	2.37A	2.70A
Module Efficiency	12.43%	14.0%
Cell Efficiency	18.12%	18.50%
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 45.5mm
Cell Arrangement	36 cells in series
Dimensions	670 x 480 x 25 mm
Weight	3.30kg
Front Cover	3.2mm tempered glass
Frame Material	Anodized aluminium alloy
J- Box	IP65, 1 diode
Cable	/

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