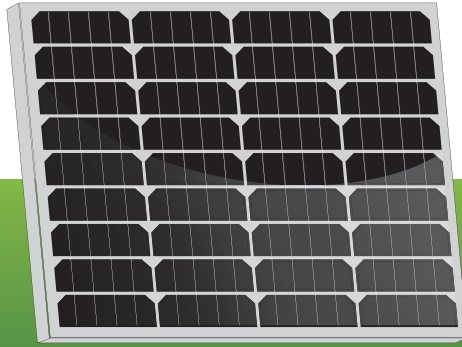
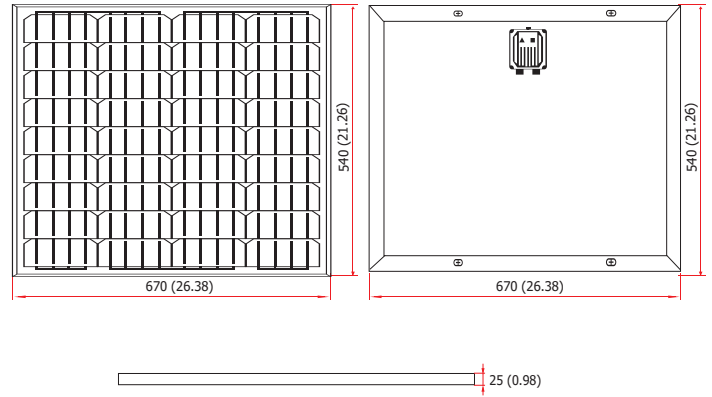


MONOCRYSTALLINE MODULE 50W



SOLAR MODULE:
TS-50M

PHYSICAL CHARACTERISTICS Unit: mm (inch)



ELECTRICAL SPECIFICATIONS

Model Type	TS-50M
Nominal Maximum Power (Pmax)	50W
Optimum Operating Voltage (Vmp)	17.60V
Optimum Operating Current (Imp)	2.85A
Open Circuit Voltage (Voc)	21.60V
Short Circuit Current (Isc)	3.41A
Module Efficiency	13.19%
Cell Efficiency	17.12%
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
Cable	2.5mm (IEC) / 12AWG (UL), 900mm (650mm is optional)

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

ELECTRICAL CHARACTERISTICS

