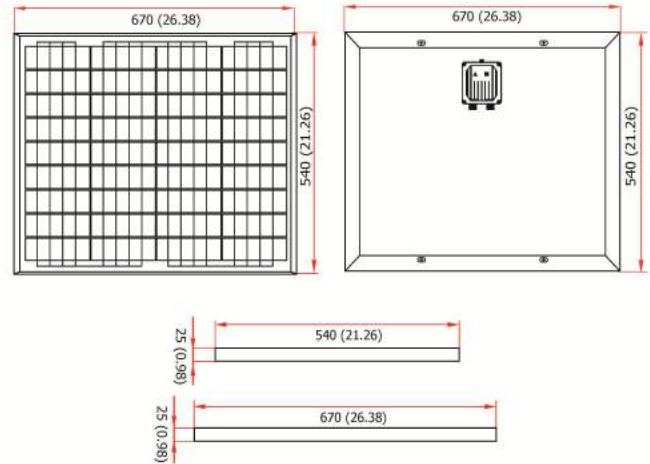


POLYCRYSTALLINE MODULE 50W

PHYSICAL CHARACTERISTICS Unit: mm (inch)



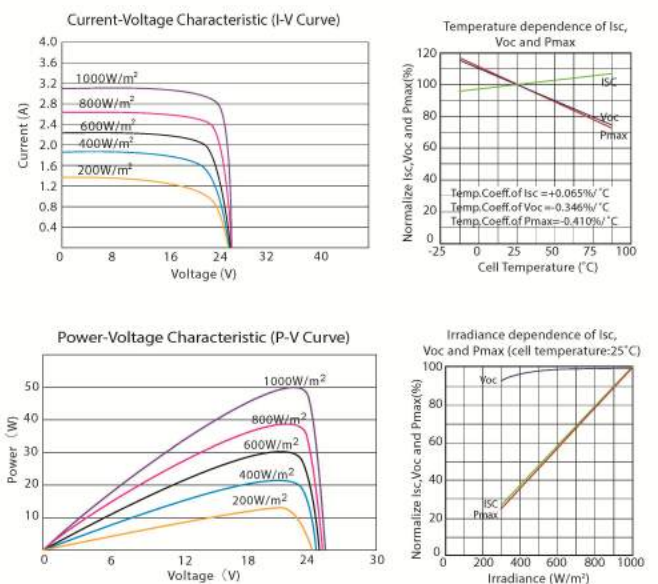
ELECTRICAL SPECIFICATIONS

Model Type	50W
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 25mm
Weight	3.90kg
Front Cover	3.2mm tempered glass
Frame Material	Anodized aluminium alloy
J-Box	IP65, 1 diode
Cable	2.5mm ² (IEC) / 12AWG (UL), 900mm (650mm is optional)

ELECTRICAL CHARACTERISTICS



TEMPERATURE CHARACTERISTICS

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