

MONOCRYSTALLINE

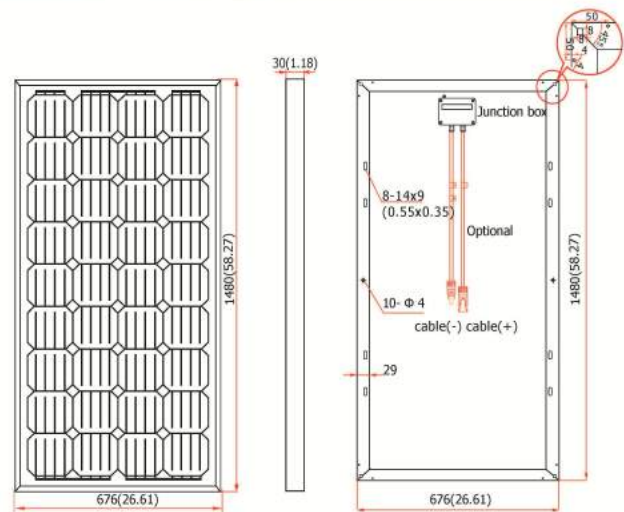
MODULES 150W - 180W

PROPSOLAR

Sunshine makes better life



PHYSICAL CHARACTERISTICS Unit: mm (inch)



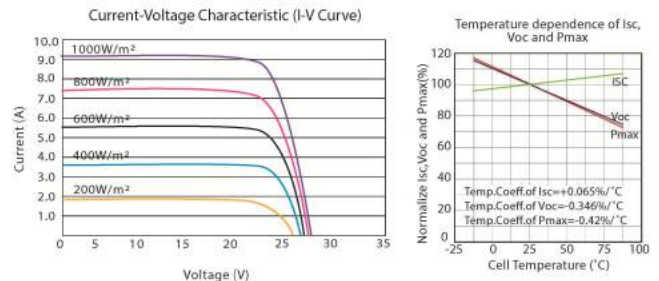
ELECTRICAL SPECIFICATIONS

Model Type	150W	160W	170W	180W
Nominal Maximum Power (Pmax)	150W	160W	170W	180W
Optimum Operating Voltage (Vmp)	17.85V	18.08V	18.12V	18.15V
Optimum Operating Current (Imp)	8.41A	8.85A	9.38A	9.92A
Open Circuit Voltage (Voc)	21.96V	22.11V	22.46V	22.64V
Short Circuit Current (Isc)	8.61A	9.05A	9.70A	10.19A
Module Efficiency	15.00%	16.00%	17.00%	18.00%
Cell Efficiency	17.45%	18.61%	18.80%	20.00%
Power Tolerance	0 to +5W			
Maximum System Voltage	DC 1000V			
Operating Temperature	-40°C ~ +85°C			
Maximum Series Fuse Rating	15A			
Number of Bypass Diode	2			

MECHANICAL DATA

Cell Type	156mm x 156mm
Cell Arrangement	36 cells in series
Dimensions	1480 x 676 x 30 mm
Weight	11.18kg
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

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

