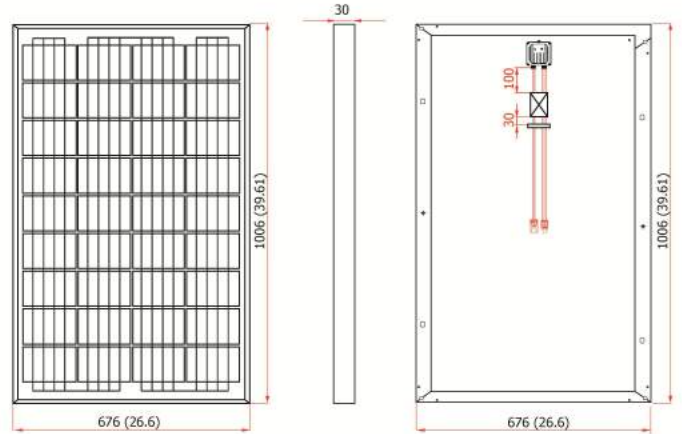


POLYCRYSTALLINE MODULES 100W - 105W



PHYSICAL CHARACTERISTICS Unit: mm (inch)



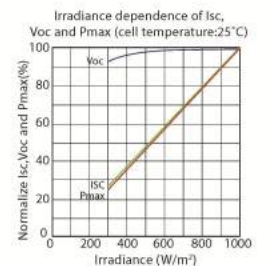
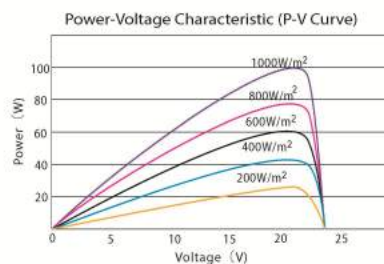
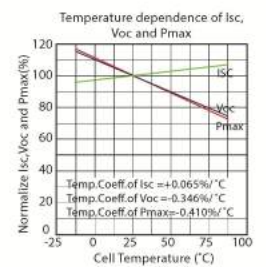
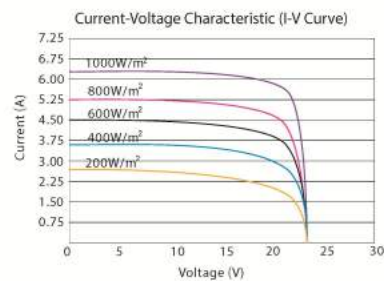
ELECTRICAL SPECIFICATIONS

Model Type	100W	105W
Nominal Maximum Power (Pmax)	100W	105W
Optimum Operating Voltage (Vmp)	17.30V	17.65V
Optimum Operating Current (Imp)	5.78A	5.95A
Open Circuit Voltage (Voc)	21.30V	21.50V
Short Circuit Current (Isc)	6.21A	6.26A
Module Efficiency	13.21%	15.40%
Cell Efficiency	17.50%	17.88%
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 104mm
Cell Arrangement	36 cells in series
Dimensions	1006 x 676 x 30 mm
Weight	8.23kg
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)	-0.410% / °C
Temperature Coefficient (Voc)	-0.346% / °C
Temperature Coefficient (Isc)	0.065% / °C
Nominal Operating Cell Temperature	45.3 ± 2 °C