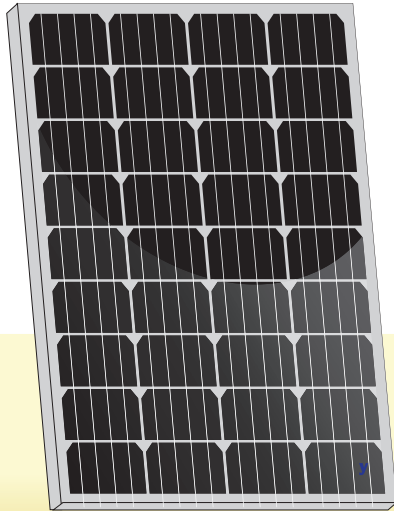
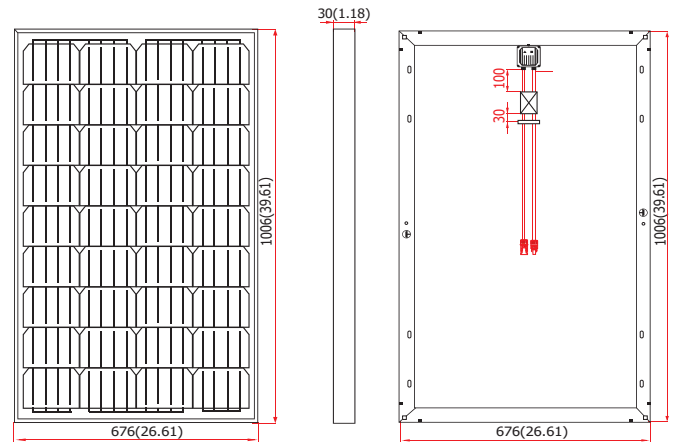


MONOCRYSTALLINE MODULE 100W - 110W



SOLAR MODULE:
SDM-100, SDM-110

PHYSICAL CHARACTERISTICS Unit: mm (inch)



ELECTRICAL SPECIFICATIONS

Model Type	SDM-100	SDM-110
Nominal Maximum Power (Pmax)	100W	110W
Optimum Operating Voltage (Vmp)	18.05V	18.08V
Optimum Operating Current (Imp)	5.54A	6.08A
Open Circuit Voltage (Voc)	22.44V	22.47V
Short Circuit Current (Isc)	5.69A	6.28A
Module Efficiency	14.70%	16.17%
Cell Efficiency	17.50%	18.60%
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 (approx)
Front Cover	3.2mm tempered glass
Frame Material	Anodized aluminium alloy
J- Box	IP65, 2 diodes
Cable	2.5mm (IEC) / 12AWG (UL), 900mm (650mm is optional)
Connectors	MC4 or MC4 compatible

TEMPERATURE CHARACTERISTICS

Temperature Coefficient (Pmax)	-0.420% / °C
Temperature Coefficient (Voc)	-0.336% / °C
Temperature Coefficient (Isc)	0.042% / °C
Nominal Operating Cell Temperature	45.3 ± 2 °C

ELECTRICAL CHARACTERISTICS

(SDM100-110)
Current-Voltage Characteristic (I-V Curve)

