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Solar Panel Guide Specification Data Sheet

Changzhou Sunday Energy Co., Ltd.

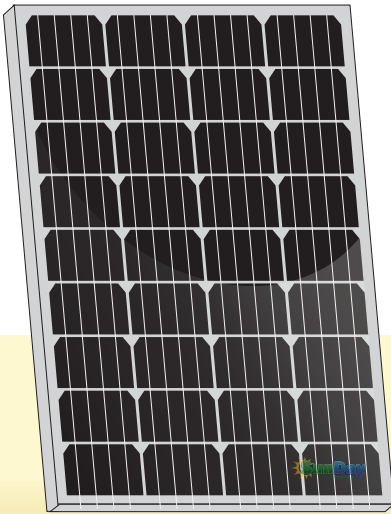
SDM-100-125

SDM-115

Also available on the web at
EnergyPal.com/changzhou-sunday-energy-co-ltd-solar-panels/sdm-115

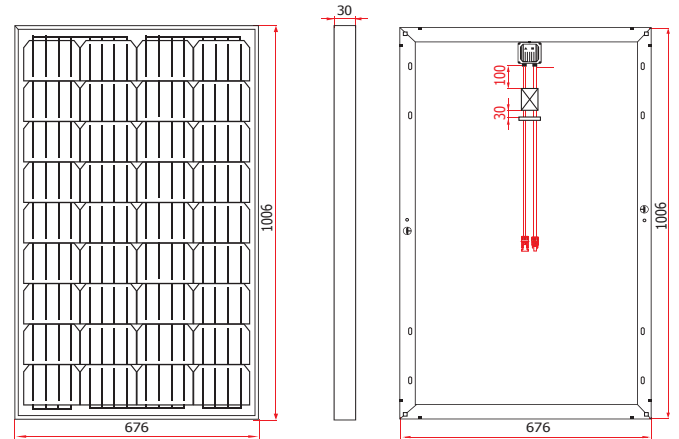
MONOCRYSTALLINE

MODULE 100W - 125W



SOLAR MODULE:
SDM-100, SDM-105, SDM-110,
SDM-115, SDM-120, SDM-125,

PHYSICAL CHARACTERISTICS Unit: mm (inch)



ELECTRICAL SPECIFICATIONS

Model Type	SDM-100	SDM-105	SDM-110	SDM-115	SDM-120	SDM-125
Nominal Maximum Power (Pmax)	100W	105W	110W	115W	120W	125W
Optimum Operating Voltage (Vmp)	18.00V	18.00V	18.03V	18.03V	18.08V	18.08V
Optimum Operating Current (Imp)	5.56A	5.84A	6.10A	6.38A	6.64A	6.91A
Open Circuit Voltage (Voc)	21.44V	21.44V	21.57V	21.65V	21.87V	22.05V
Short Circuit Current (Isc)	6.05A	6.36A	6.62A	6.88A	7.12A	7.36A
Module Efficiency	14.70%	15.58%	16.17%	16.91%	17.65%	18.38%
Cell Efficiency	18.50%	19%	19%	19.8%	20%	21%
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
Normal Operating Cell Temperature	45.3 ± 2 °C

ELECTRICAL CHARACTERISTICS

