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Solar Panel Guide Specification Data Sheet

Changzhou Sunday Energy Co., Ltd.

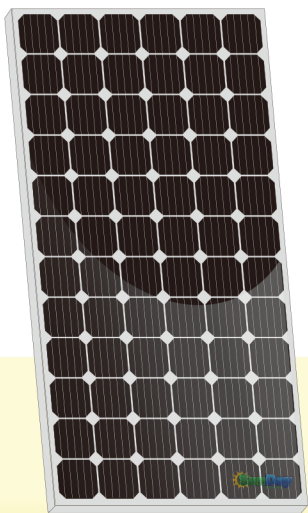
SDM-350-390

SDM-370

Also available on the web at
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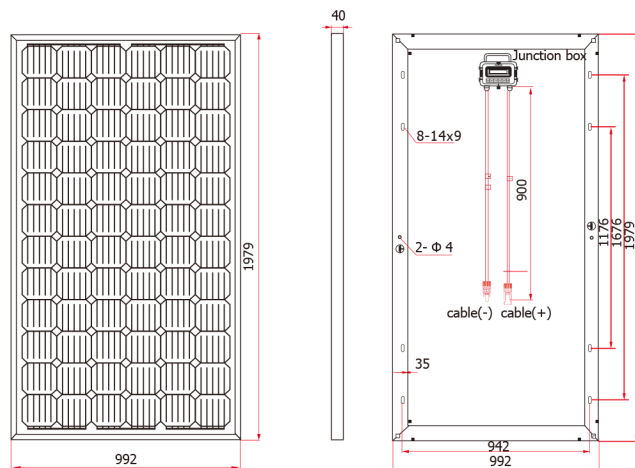
MONOCRYSTALLINE

MODULES 350W - 390W



SOLAR MODULE: SDM-350, SDM-355, SDM-360, SDM-365, SDM-370, SDM-375, SDM-380, SDM-385, SDM-390

PHYSICAL CHARACTERISTICS Unit:mm (inch)



ELECTRICAL SPECIFICATIONS

Model Type	SDM-350	SDM-355	SDM-360	SDM-365	SDM-370	SDM-375	SDM-380	SDM-385	SDM-390	
Nominal Maximum Power (Pmax)	350W	355W	360W	365W	370W	375W	380W	385W	390W	
Optimum Operating Voltage (Vmp)	39.17V	39.46V	39.74V	39.82V	39.91V	39.98V	40.11V	40.23V	40.30V	
Optimum Operating Current (Imp)	8.94A	9.01A	9.06A	9.17A	9.27A	9.38A	9.48A	9.57A	9.68A	
Open Circuit Voltage (Voc)	46.51V	46.80V	47.16V	47.27V	47.33V	47.47V	47.58V	47.74V	47.83V	
Short Circuit Current (Isc)	9.58A	9.63A	9.67A	9.85A	10.02A	10.12A	10.24A	10.33A	10.45A	
Module Efficiency	18.10%	18.35%	18.60%	18.81%	19.07%	19.33%	19.58%	19.84%	20.10%	
Cell Efficiency	20.00%	20.20%	20.50%	21.22%	22%	22%	22%	22%	22%	
Power Tolerance					0 to +6W					
Maximum System Voltage					DC 1500V					
Operating Temperature					-40°C ~ +85°C					
Maximum Series Fuse Rating					20A					
Number of Bypass Diode					3					

MECHANICAL DATA

Cell Type	158.75mm x 158.75mm
Cell Arrangement	72 cells in series
Dimensions	1979x 992 x 40 mm
Weight	22.00kg
Front Cover	3.2mm tempered glass
Frame Material	Anodized aluminium alloy
J-Box	IP67, 3 diodes
Cable	4mm (IEC) / 12AWG (UL), 900mm (650mm is optional)
Connectors	MC4 or MC4 compatible

TEMPERATURE CHARACTERISTICS

Temperature Coefficient (Pmax)	-0.37% / °C
Temperature Coefficient (Voc)	-0.29% / °C
Temperature Coefficient (Isc)	0.05% / °C
Norminal Operating Cell Temperature	45.3 ± 2 °C

ELECTRICAL CHARACTERISTICS

(SDM-390)

Current-Voltage Characteristic (I-V Curve)

