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Solar Panel Guide

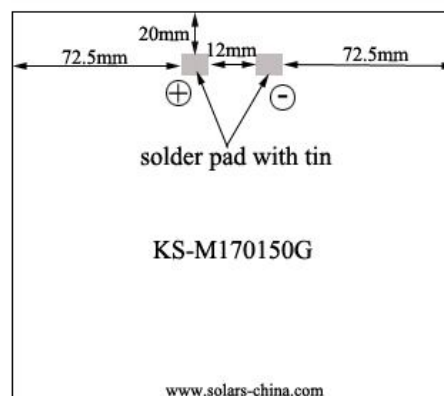
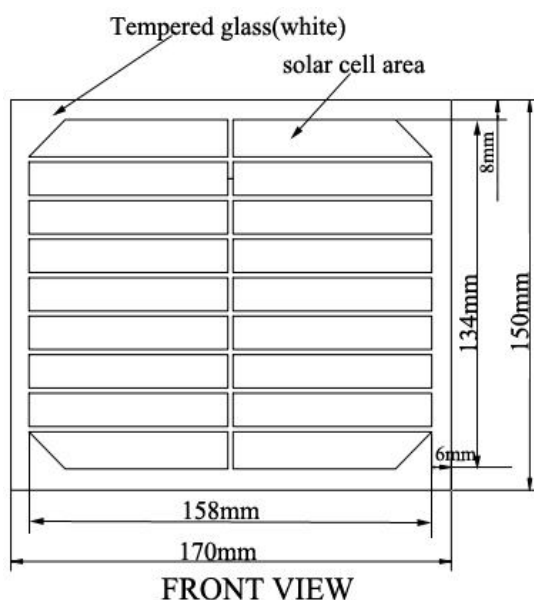
Specification Data Sheet

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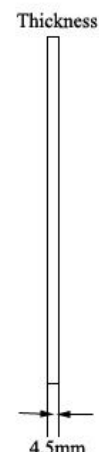
[Http://www.solars-china.com](http://www.solars-china.com)

3 watt High Efficiency Photovoltaic Panel

Model No: KS-M170150G



BACK VIEW



SIDE VIEW

Electrical Characteristics

Cell Type	Monocrystalline silicon solar cell
Norminal Power	Pmax=3W
Open Circuit Voltage	Voc=10.8V
Short Circuit Current	Isc=363mA
Voltage at Pmax	Vm=9V
Current at Pmax	Im=333mA
Standard Test Conditions(STC):Irradiance:1000W/m ² , 25℃, AM 1.5 Power tolerance: ±3%	

Temperature coefficient

NOCT	45℃±2℃
Temp.Coefficient of Isc	(0.045±0.01)%/℃
Temp.Coefficient of Voc	-(0.34±0.01)%/℃
Temp.Coefficient of Power	-(0.47±0.05)%/℃
NOCT: Nominal Operation Cell Temperature	

Tested Operating Conditions

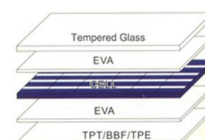
Surface Maximum Load Capacity	60m/s(200kg/sq.m)
Allowable Hail Load	227g steel ball fall down from 1m height
Operating Temperature	-40℃ to 85℃
Storage Temperature & Humidity	-40℃ to 85℃ & 10~90%

Mechanical Specifications

Dimensions(H*W*T) as above	170x150x4.5mm(±0.2mm)
Encapsulation	Glass/EVA/Cells/EVA/TPT
Front Cover	PV Tempered Glass, thickness: 3.2mm, Low Iron
Efficiency	≥18%
Output Lead Wire	No
Frame and Junction Box	No
Bar-line	White
Purpose	Used to charge any 6V rechargeable battery, or any 6V application.

Figure of Cell Structure

Structure of Tempered Glass Lamination



Warranties

Power output more than 90% for 10years
Power output more than 80% for 20years
Work life: 15 years

THE TECHNICAL FILES PROVIDED BY CHINA SOLAR LTD

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