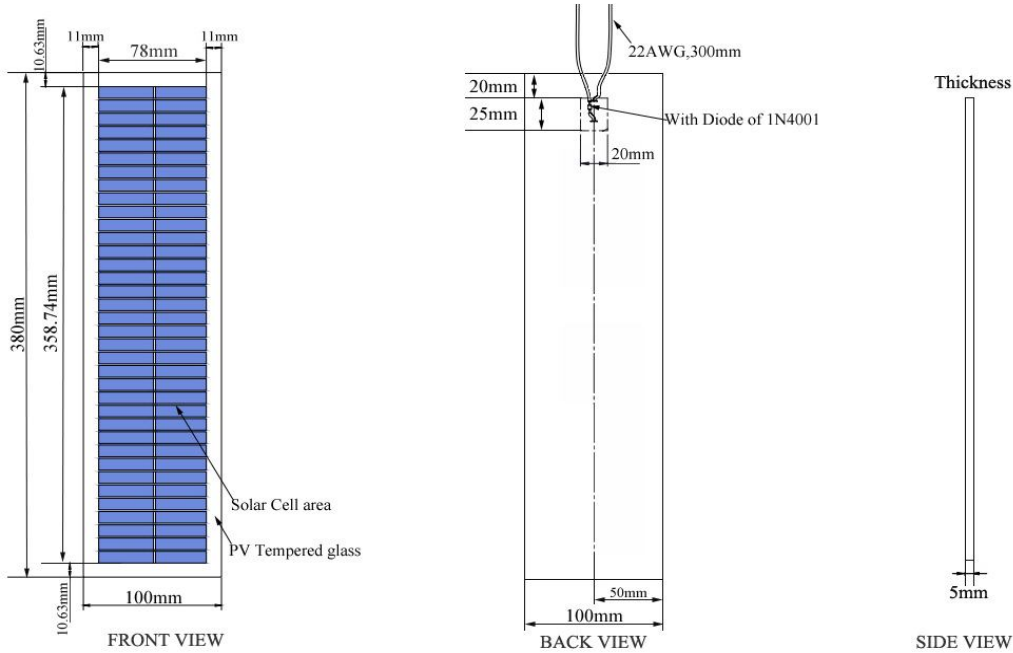




[Http://www.solars-china.com](http://www.solars-china.com)

4 watt High Efficiency Photovoltaic Panel

Model No: **KS-M380100G**



Electrical Characteristics

Cell Type	Monocrystalline silicon solar cell
Norminal Power	Pmax=4W
Open Circuit Voltage	Voc=21.6V
Short Circit Current	Isc=243mA
Voltage at Pmax	Vm=18V
Current at Pmax	Im=222mA
Standard Test Conditions(STC):Irradiance:1000W/m ² , 25°C, AM 1.5 Power tolerance: ±3%	

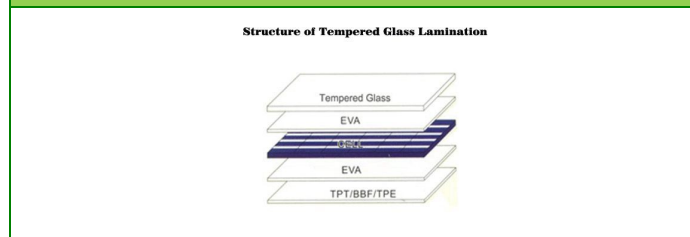
Mechanical Specifications

Dmensions(H*W*T) as above	380x100x5mm(±0.2mm)
Encapsulation	Glass/EVA/Cells/EVA/TPT
Front Cover	PV Tempered Glass, thickness: 3.2mm
Efficiency	≥18%
Output Lead Wire	22AWG,300mm long, with one Diode
Frame and Junciton Box	No
Weight	366g
Purpose	To charge 12V battery

Temperature coefficient

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

Figure of Cell Structure



Tested Operating Conditions

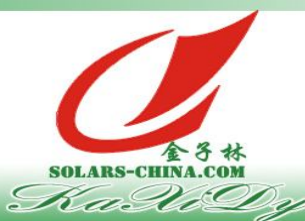
Surface Maximum Load Capacity	60m/s(200kg/sq.m)
Allowable Hail Load	227g steel ball fall down from 1m height
Operating Temperature	-40°C to 90°C
Storage Temperature	-40°C to 90°C

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

Office Address:
 NO.401,ZhongKang Pioneer Park,ZhongKang Road,
 Futian District, ShenZhen City,Guangdong Province,China
 Factory Address:
 Longxi Hi-tech Industrial Park, Longcheng Road, Longgang
 Town, ShenZhen City,Guangdong Province,China



CHINA SOLAR LTD

<http://www.solars-china.com>
<http://www.solars-china.net>
 Tel: +86.755.8351 5659
 Fax: +86.755.8271 6024
 E-mail: market@solars-china.com