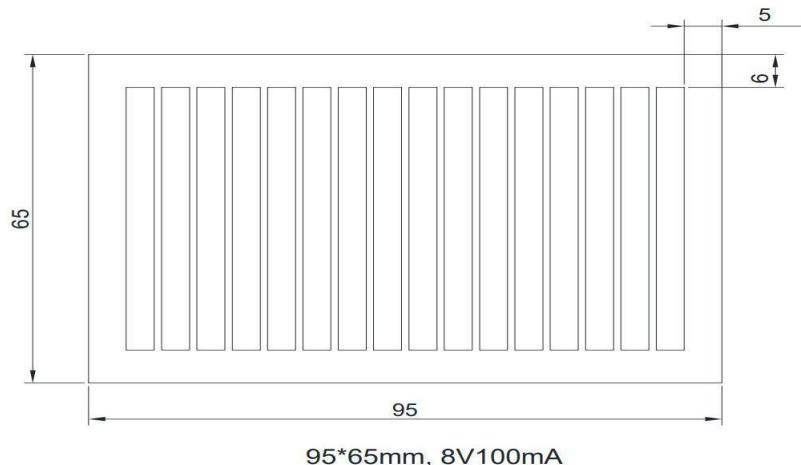




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8V 100mA Mini Photovoltaic Panel

Model No: KS-M9565P



Electrical Characteristics

Cell Type	Monocrystalline silicon solar cell
Normal Power	Pmax=2.4W
Open Circuit Voltage	Voc=9.6V
Short Circuit Current	Isc=104mA
Operating Voltage	Vm=8V
Operating Current	Im=100mA
Standard Test Conditions(STC): Irradiance: 1000W/m ² , 25°C, AM 1.5 Power tolerance: ±3%	

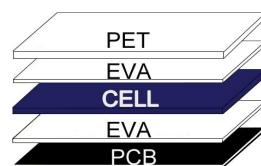
Mechanical Specifications

Dimensions(LxWxT) as above	95x65x2.2mm(±0.2mm)
Frosted	PET/ EVA/ Solar Cell/PCB
Back Cover	Fiberglass Circuit Board
Efficiency	≥18.6%
Output Lead Wire	Solder 22AWG Wire, 100mm long
Special Requirement	with diodes(1N4001) & connectors
Frame and Junction Box	No Frame, no junction box

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

Operating Temperature	-40°C to 65°C
Storage Temperature	-40°C to 40°C
Using Condition: Outdoor under the sunlight without covering	

Warning

- Cannot touch with anything strong cauterant
- Avoid scraping by something hard when using
- Cannot bend on delivery and installation

Warranties

Power output more than 90% for 10years
Operating Life: 5 - 8 years

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