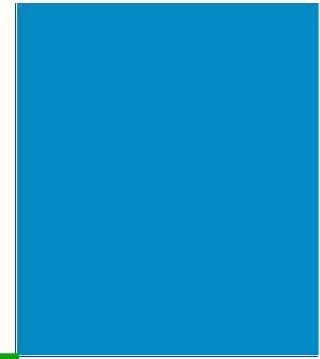




Solar Panels

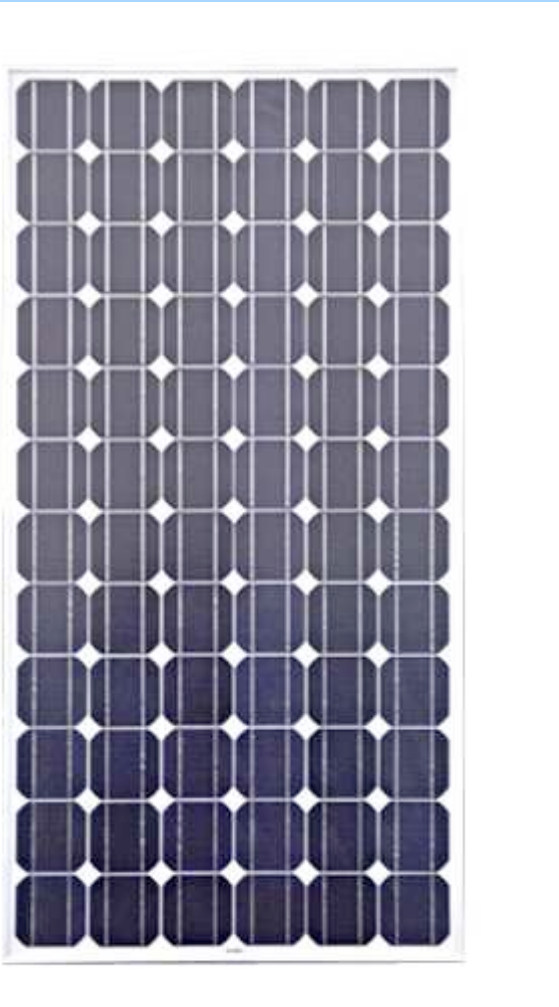


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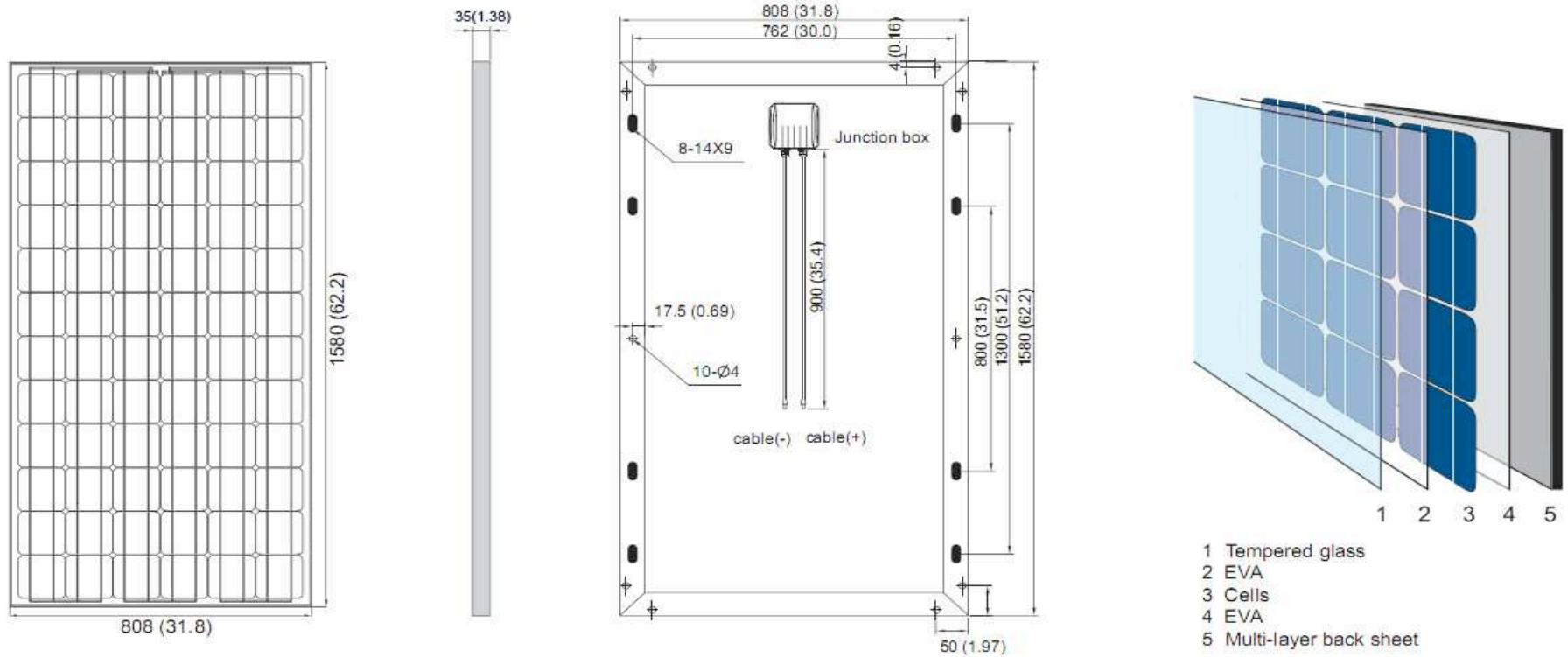
## General Description

Solar modules are composed of solar cells with high conversion efficiency, EVA sheet, solar glass and Tedlar (TPT) back sheet compounded from fluoro-plastic and Dacron. The module adopts reliable welding technology and high-vacuum heating aluminum alloy fram and watertight terminal box. As a result, it takes on a rational structure, and has an ultraviolet aging resistance and wind resistance of up to 2400Mpa.

## Technical Parameter

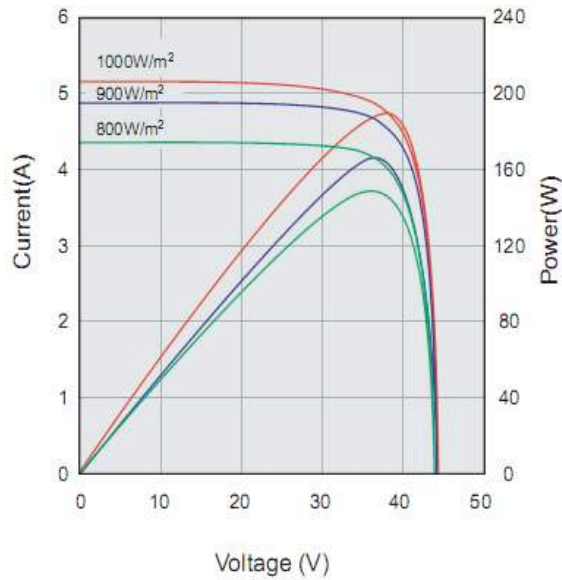
DESCRIPTIONS		PICTURE
ITEM NO.:	SE-0909	
Product Name:	Solar Panel	
<b>Electrical Characteristics</b>		
Cell:	Mono-crystalline silicon	
NO.of cells and connections:	72 in series	
Open circuit voltage(VOC):	43.5V	
Maximum Power Voltage(VPM):	34.9V	
Short Circuit Current(A):	5.4A	
Maximum Power Current(Ipm):	4.94A	
Maximum Power(Pmax):	170W	
Module Efficiency:	16%	
Maximum System Voltage:	1000V	
Series Fuse Rating:	10A	
<small>STC is defined as: irradiance of 1000W/m<sup>2</sup>, spectrum AM 1.5 and cell temperature of 25 °C</small>		
<b>Mechanical Characteristics</b>		
Dimensions(AxBxC):	1602mmx812mm x35mm	
Weight:	15.7kg	
Packing configuration:	2pcs per carton	
Size of Carton:	1613mmx823mm x86mm	
Loading Capacity(20 ft container):	pcs	
<b>Absolute Maximum Ratings</b>		
Operating temperature:	-40 to +90°C	
Storage Temperature:	-40 to +90°C	

Physical Characteristics unit: mm(inch)

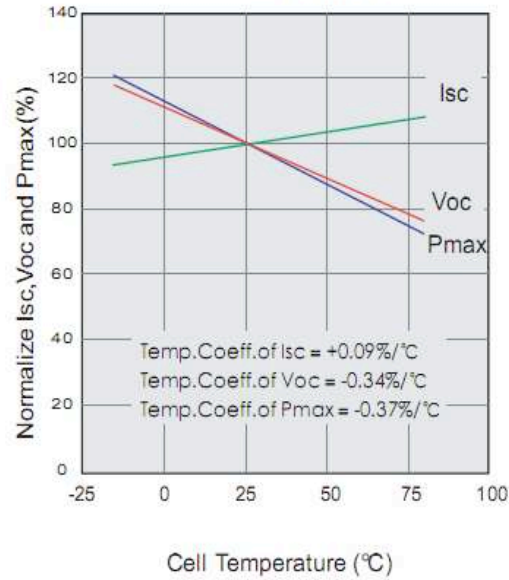


Electrical Parameter:

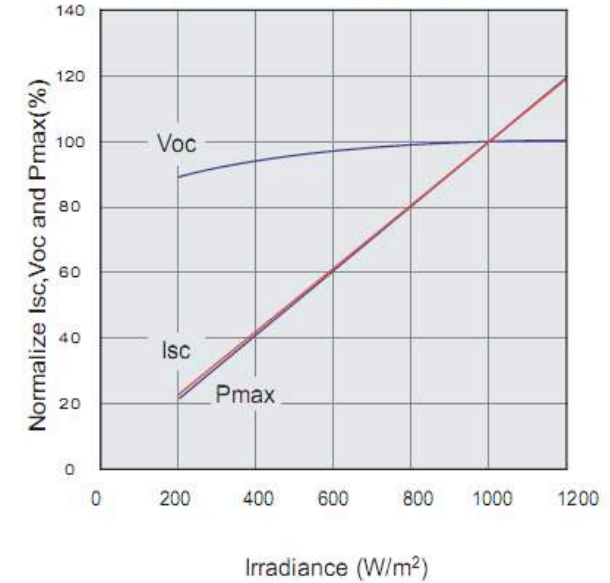
Electrical performance  
(cell temperature: 25°C)



Temperature dependence of Isc,  
Voc and Pmax



Irradiance dependence of Isc,  
Voc and Pmax (cell temperature: 25°C)



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