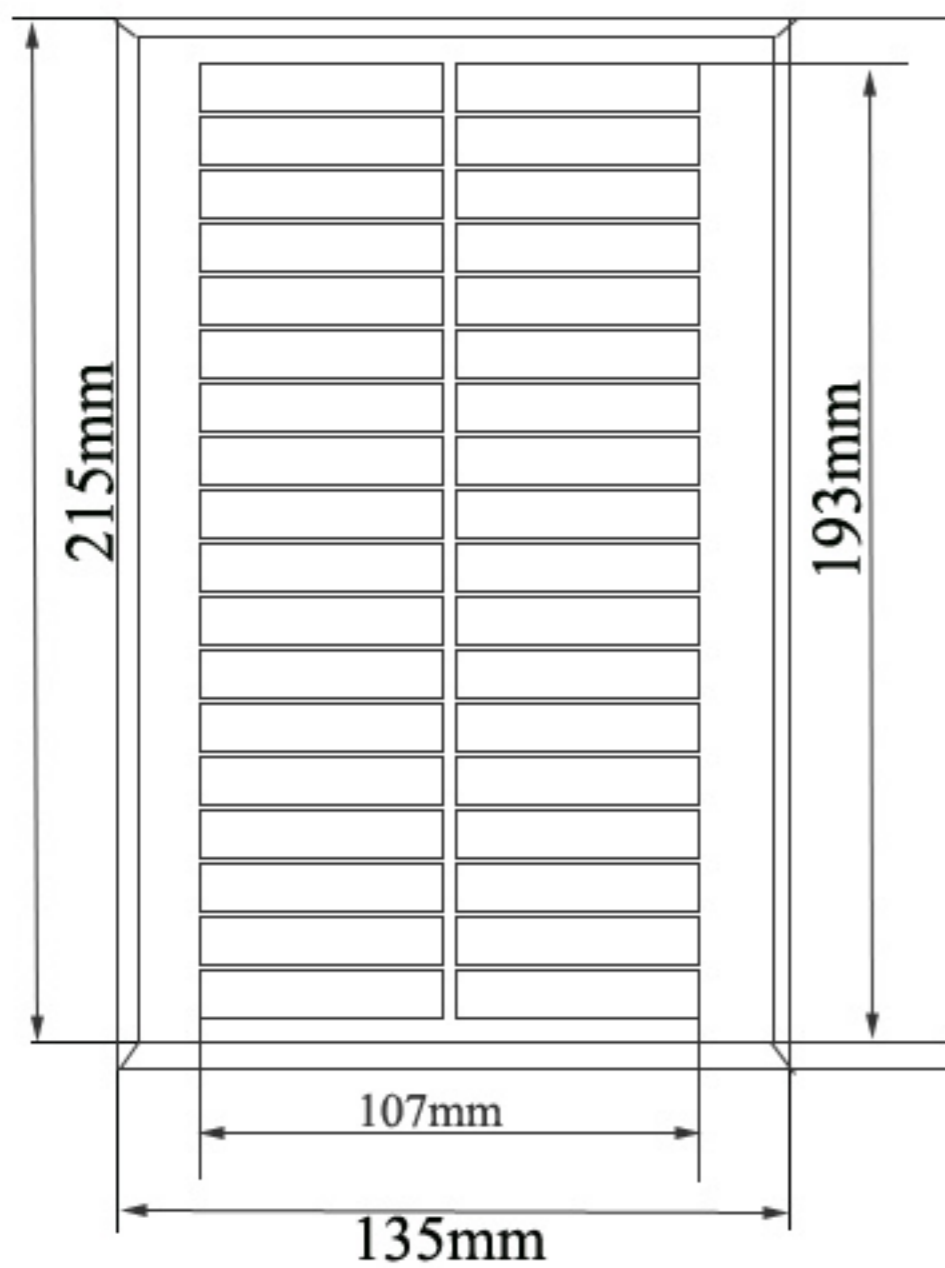
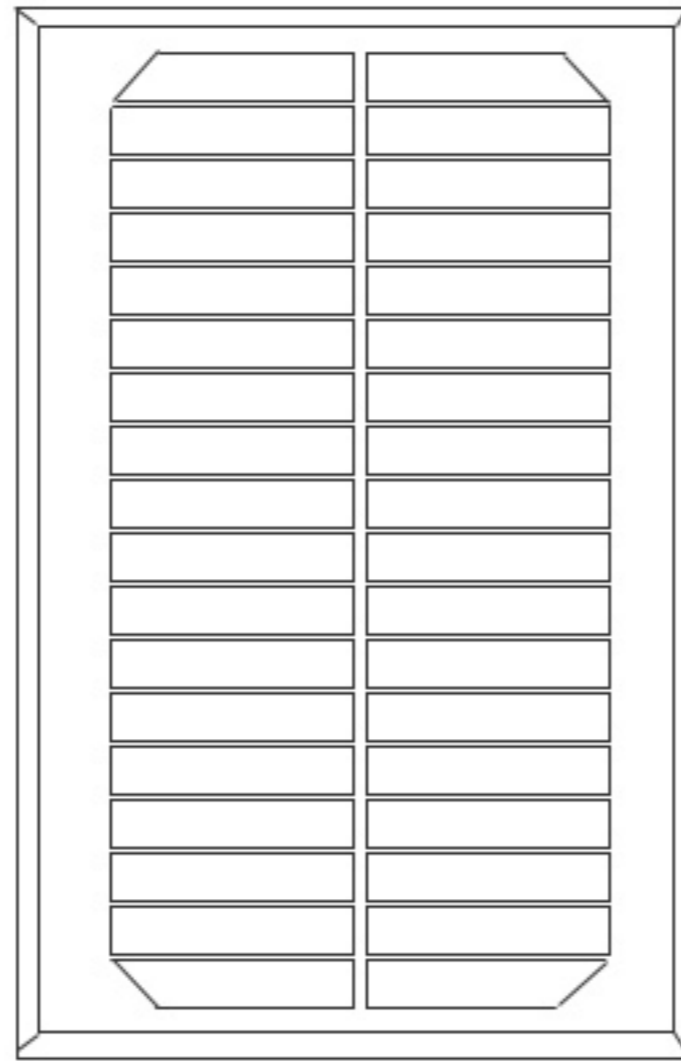


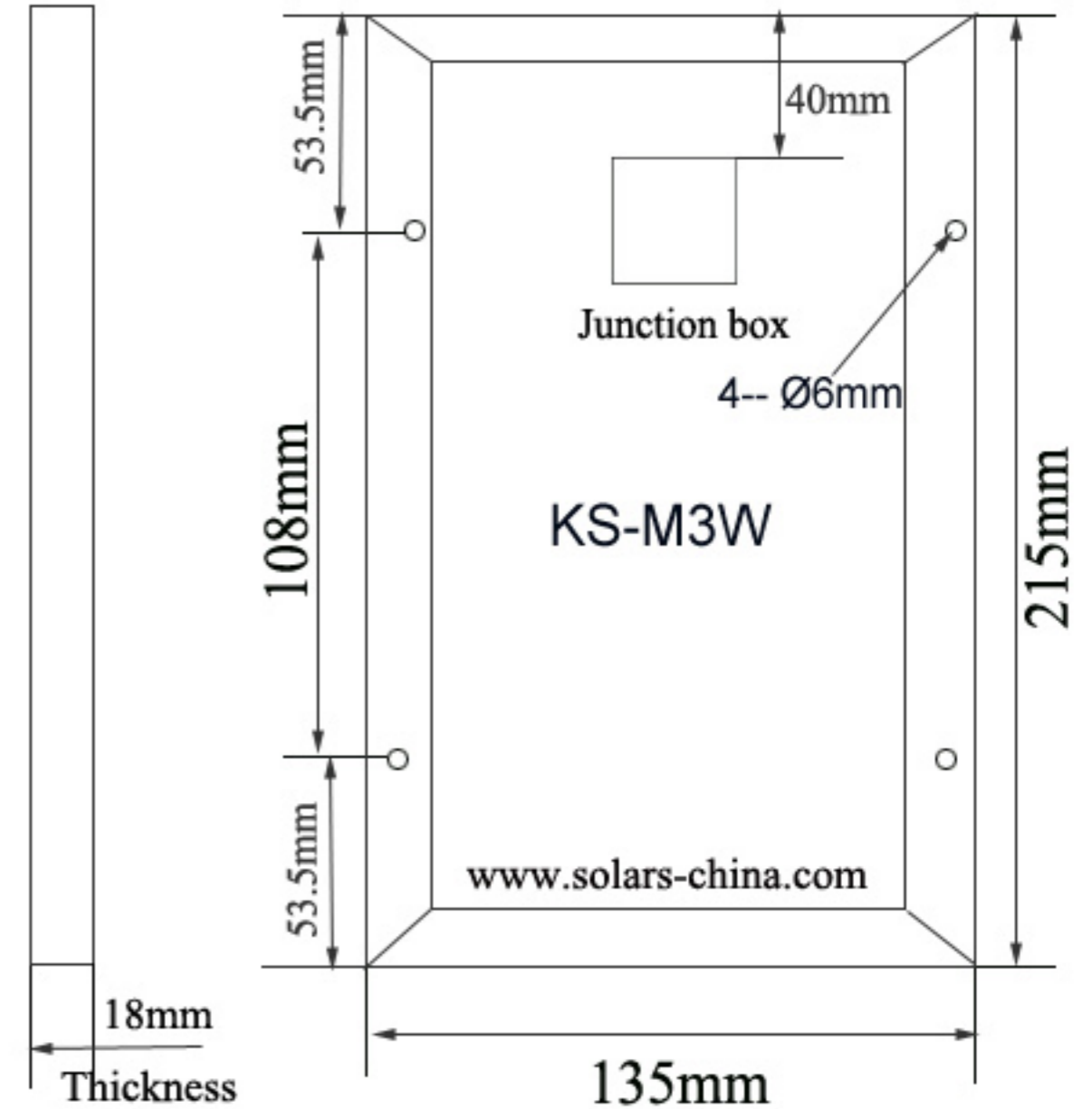
## 3W MONOCRYSTALLINE SOLAR MODULE



FRONT VIEW(1)



FRONT VIEW(2)



SIDE VIEW

BACK VIEW

### ELECTRICAL CHARACTERISTICS

Power	3W		
Operating Voltage	18V	Open Circuit Voltage	21.6V
Operating Current	166mA	Short Circuit Current	181mA
Type of solar cell	Monocrystalline Silicon Solar Cell		
Power Tolerance	±5%		
STC: Irradiance 1000W/m <sup>2</sup> , Module temperature: 25°C, AM=1.5			

### TEMPERATURE COEFFICIENTS

Nominal Operating Cell Temperature (NOCT): 45°C±2°C	
Temp.Coefficient of I <sub>sc</sub>	(0.045±0.01)%/°C
Temp.Coefficient of V <sub>oc</sub>	-(0.34±0.01)/°C
Temp.Coefficient of Power	-(0.47±0.05)%/°C

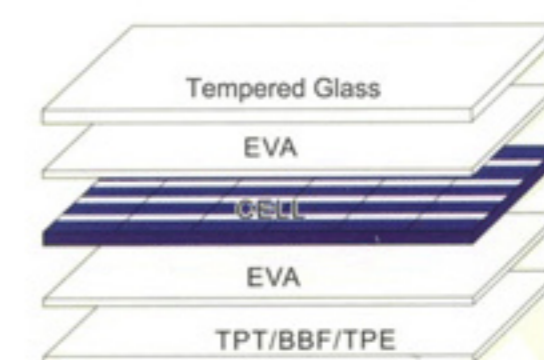
### TESTED OPERATING CONDITIONS

Max load	50psf 245kg/m <sup>2</sup> (2400)pascals
Hailstone impact	25mm(1inch) at 23m/s(52mph)
Operating Temperature	-40° C to + 85° C

### MECHANICAL SPECIFICATIONS

Dimensions	215×135×18mm
Encapsulation	Glass/EVA/Cells/EVA/TPT
Front Glass	Tempered Glass, thickness: 3.2mm
Frame	Anodized aluminum alloy (Silver)
Output lead wire	Without solder wire, with junction box
Dimension Tolerance: ±0.2mm Efficiency: ≥18%	

### FIGURE OF STRUCTURE



### WARRANTIES

Power output more than 90% for 10years  
 Power output more than 80% for 25years  
 Working life 25years

THE TECHNICAL FILES PROVIDED BY CHINA SOLAR LTD

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