



# Technical Specification

**Product Name:** 200W Foldable Solar Panel

**Model NO.:** 200W

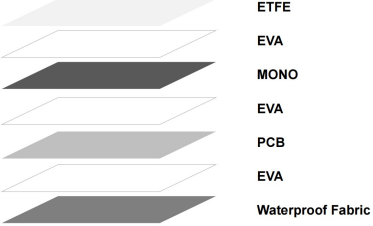
**Compile Date:** 2024.07.17

Customers Sign Back	
Recognized by	
Approved by	
Date	
Remarks	

General Specification			
Product Name	200W Folding Solar Panel	Product Model NO.	200W
HS Code ( Standard )		Cell Type	Mono Cell
HS Code (USA)		Peak Power	200W
 		Vmp	18V
		Imp	11.1A
		Maximum System Voltage	2000V
		Voc	22.5V
		Isc	13.8A
		Tolerance	±5%
		Conversion efficiency	22%~23.4%
		Output Port	MC4 1m
		Unfolded Size	2190*595*25mm
		Folded Size	620*595*50mm
Total transmittance	95%	Net Weight	8.4 KG

Working temperature	-20℃~60℃	Maximum power temperature Coefficient	-0.45%/℃
Open circuit voltage temperature coefficient	-0.35%/℃	Temperature coefficient of short circuit current	+0.05%/℃
Test standard conditions	Am1.5 25℃ 2000W/m <sup>2</sup>		
Moisture permeability	40℃/90%RH g/M <sup>2</sup> .Day 10.2		
Water absorption rate	2.5%(24H)		
Remarks	Testing environment (STC): Spectral energy: 1KW/m <sup>2</sup> 。 Air pressure AM=1.5 , The light conditions are 38000W Lux ( Lighting unit ) Electronic load test.		

### Main Material Specification

<b>ETFE+EVA+MonoCell+EVA+PCB+EVA+Waterproof fabroc</b>  	<b>Main Material Or Structure Composition</b>	Cells Type	182*182
		ETFT	0.2mm
		EVA (mm)	<b>0.45+0.35+0.35+0.35+0.3</b>
		PV Welded Ribbon	2.0*0.1mm/1.6*0.1mm
		Fabric	

### Package Specification

Unit Box Size(CM)	Unit Box Weight(KG)	Qty/Carton(PCS)	Unit Carton Weight(KG)	Unit Carton Size(CM)
CM	KG	2	KG	CM
The preparation		Review	approval	

### Notice or Attention

Please do not scratch the surface of solar panel with sharp objects;

1. When charged by solar, please place the solar panel upward in strong sunlight directly to ensure the best charging effect. Please keep the solar panel dry, avoid rainy days or water;

### Appearance Requirements

The product surface shall be free of dirt and glue print left .

### Packaging Standard

Not special demand or as customer demand

### Use and Storage Environment

1. Storage conditions: temperature arrange(-20℃ ~ 60℃)
2. Outdoor environment with sunlight
3. Working environment: - 20 ℃ ~ 60 ℃

### Quality guarantee period

12 months.