

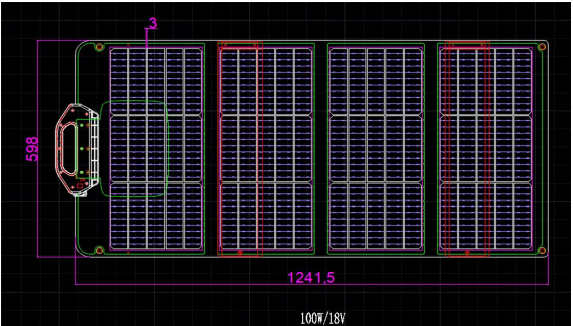
Technical Specification

Product Name: 100W Foldable Solar Panel

Model NO.: 100W

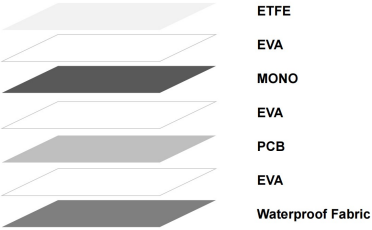
Compile Date: 2024.07.17

Customers Sign Back	
Recognized by	
Approved by	
Date	
Remarks	

General Specification				
Product Name	100W Folding Solar Panel	Product Model NO.	100W	
HS Code (Standard)		Cell Type	Mono Cell	
HS Code (USA)		Peak Power	100W	
		Vmp	18V	
		Imp	5.5A	
		Maximum System Voltage	1000V	
		Voc	22.5V	
		Isc	6.6A	
		Tolerance	±5%	
		Conversion efficiency	22%~23.4%	
		Output Port	MC4 1m	
		Unfolded Size	1250*600*25mm	
		Folded Size	400*600*50mm	
	Total transmittance	95%	Net Weight	4.5 KG
	Working temperature	-20°C~60°C	Maximum power temperature Coefficient	-0.45%/°C

Open circuit voltage temperature coefficient	-0.35%/°C	Temperature coefficient of short circuit current	+0.05%/°C
Test standard conditions	Am1.5 25°C 1000W/m ²		
Moisture permeability	40°C/90%RH g/M ² .Day 10.2		
Water absorption rate	2.5%(24H)		
Remarks	Testing environment (STC): Spectral energy: 1KW/m ² Air pressure AM=1.5 , The light conditions are 38000W Lux (Lighting unit) Electronic load test.		

Main Material Specification

ETFE+EVA+MonoCell+EVA+PCB+EVA+Waterproof fabroc 	Main Material Or Structure Composition	Cells Type	182*182
		ETFT	0.2mm
		EVA (mm)	0.45+0.35+0.35+0.35+0.3
		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°C ~ 60°C)
2. Outdoor environment with sunlight
3. Working environment: - 20 °C ~ 60 °C

Quality guarantee period

12 months.