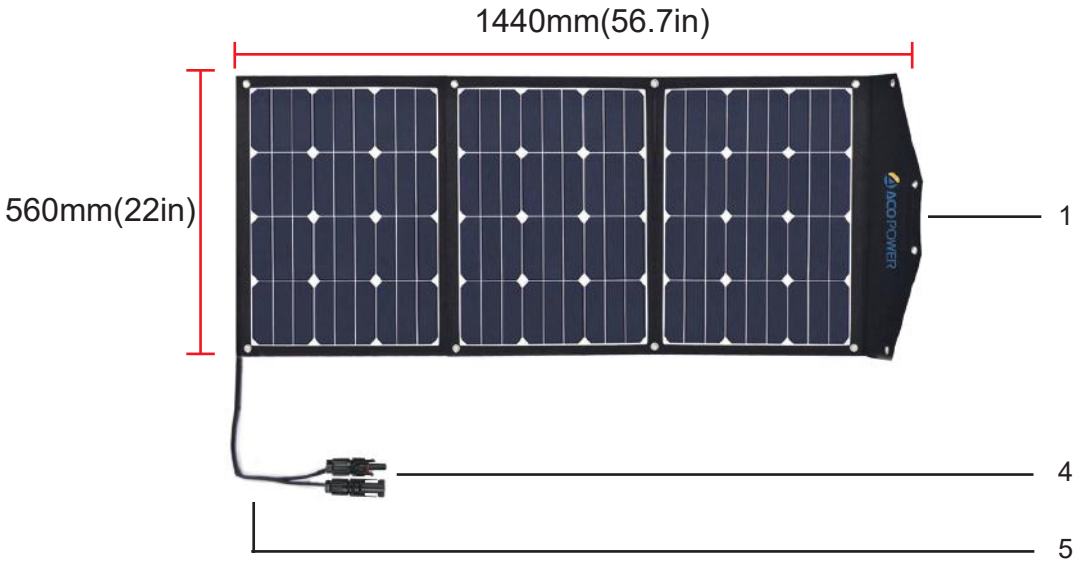
Product Introduction



USA Sales: 4120 Valley Blvd Walnut, CA 91789, USA
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Email: sales@acopower.com

Items	
1	3x40 Watts Solar Panel
2	Suitcase with handle and pocket
3	Stands
4	MC4 Connectors
5	Cable 14AWG

Introduction

With a lightweight and suitcase design, this portable solar panel features a 3 x 40W max power, totally max 720wh each day, or max 60AH each day for 12V battery.

Features

- Max 120 watts solar panel
- Portable
- Charge 12V solar generator by MC4 adapter- battery with inverter, power bank/station with built-in charge controller. ACOPOWER solar generator 400Wh recommended
- Can be used on its own or as part of a larger solar system
- Extendable with MC4 Connectors

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User's guide

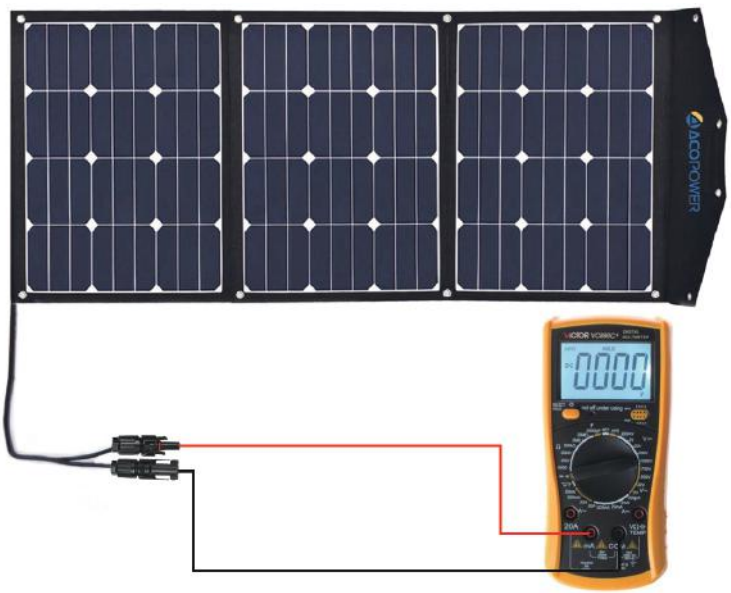
After receiving the solar panel, please check if all accessories are included in the package and prepare to test it:

1. Locate a sunlit area clear from hanging branches or obstacles.
2. Unfold the solar panels and face the front towards the sun.

Tip: To obtain the maximum output power of solar modules, it is recommended to adjust the solar modules based on solar trajectory.

How to test the solar panel

Method 1: use a multi-meter



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Set your multi-meter to measure DC voltage and put the red probe on the red MC4 cable and the black probe on the black MC4 cable (this is the solar panel's direct output), make sure the connections are secure. the open-circuit voltage should be displayed on your multi-meter and it should be around 17.6V-23V.

If you're not getting something within that range or close to those numbers, you should check and make sure the solar panel is in direct sunlight and that the connections between the MC4 cables and the multi-meter is secure.

Method 2: use your solar generator

To test if the solar panel is working with a solar generator with a built-in charge controller, connect the MC4 adapters that came with your solar generator and plug it in to the MC4 cables of the solar panel directly (Bypassing the charge controller). Turn your solar generator on and it should start charging from the solar panel.

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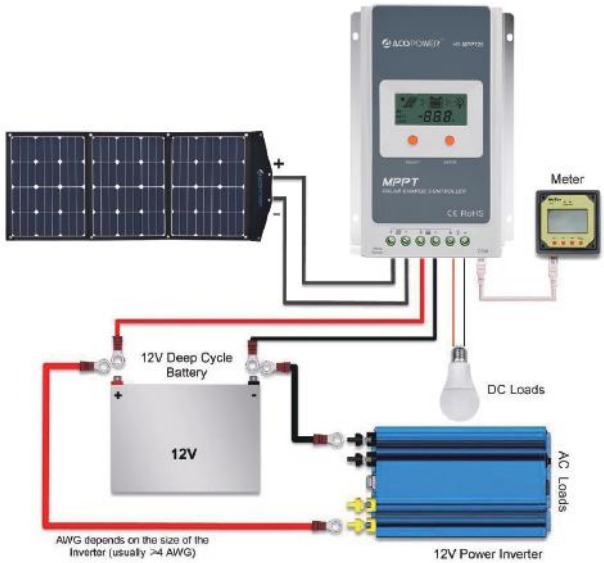
Charge Your 12V Battery:

1. Prepare your charge controller 10A or larger one is recommended.
2. Use MC4 Cable connect to charge controller



Be a part of bigger solar system:

Use Y connector for parallel solar system (Keep the same voltage and the circuit has larger current)

Please search ACOPOWER Y MC4 Connectors for the product

To charge a 24V battery, connect two 120W portable solar panel in series by connecting one of the positive MC4 Connector to another solar panel's negative MC4 Connector and left the other two MC4 connectors open.

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What are you going to use it for

1. Charge solar generators

1.1. Charge 12V Solar Generator with built-in Charge Controller

Step 1: understand your solar generator and prepare the MC4 adapter for your solar generator

Step 2: Disconnect MC4 Connectors and let it to be a solar panel with MC4 connectors

Step 3: Use your MC4 Adapter to charge your solar generator

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Specifications

120W Foldable solar panel

Module Type	Module Size		N.M	Specification				
	Folded size	Unfolded size		Max Power	Open Power Voltage	Max-power Current	Open-Circuit Voltage	Short-Circuit Current
W	mm	mm	Kg	W	V	A	V	A
3×40W	560×440×20 22×17.3×0.8(inches)	1440×560×4 56.7×22×0.2(inches)	3.8 (8.4 lb)	120	20.88	5.97	24.64	6.32

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Warranty

Limited Product Warranty-One Years Repair,Replacement and refund Remedy, but fuse excluded

The solar panel itself comes with an 18-months workmanship warranty and a 25-year 85% output warranty.
Within 30 days of purchase: Items can be returned for a full refund or replacement, we will cover return shipping due to quality issues, buyer pays return shipping and replacement shipping due to non-quality issues.
Within 30 days to 6 months: Items can be replaced new or refurbished due to quality issues, we will cover return shipping. Items can be replaced with a restocking fee due to non-quality issues, buyer pays for all shipping.
Within 6 months to 18 months: Items can be replaced refurbished due to quality issues, buyer pays for all shipping.

Accessories:
Within 30 days of purchase: Items can be returned for a full refund or replacement, we will cover return shipping due to quality issues, buyer pays return shipping and replacement shipping due to non-quality issues.
Within 30 days to 6 months: Items can be replaced new or refurbished due to quality issues, we will cover return shipping. Items can be replaced with a restocking fee due to non-quality issues, buyer pays for all shipping.
Within 6 months to 18 months: Items can be replaced refurbished due to quality issues, buyer pays for all shipping.

Seller shall not be responsible or liable in any way to the customer or any third-party arising from any non -performance or delay in performance of any terms and conditions of sale, including this “Limited Warranty for PV Modules”, due to acts of God, war, riots, strikes, warlike conditions, plague or other epidemics, fire, flood, or any other similar cause or circumstance beyond reasonable control. such cases, this Limited Warranty shall be suspended without liability for the period of delay reasonably attributable to such causes.

Register your warranty with ACOPWER, please visit: https://www.acopower.com select “Warranty Registration”.

Thank you for your business and support!

ACOPOWER Team

technical support: support@acopower.com
www.acopower.com

Warranty Registration Web

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