

# Flexible Solar Module

## User Guide

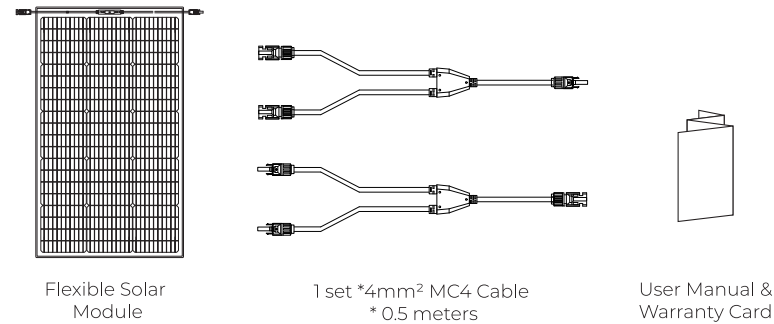
Model: PV100 FX

Contact Us:  
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service@bluettipower.com



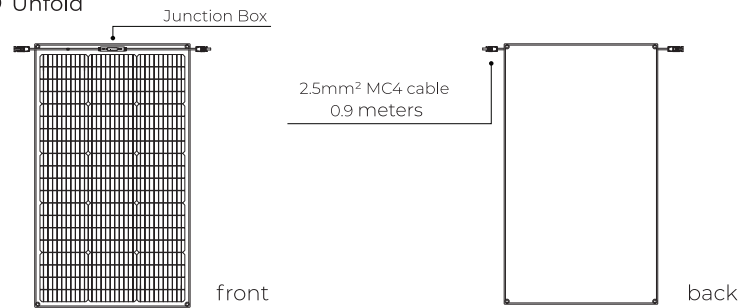
User Guide

### What is in the box



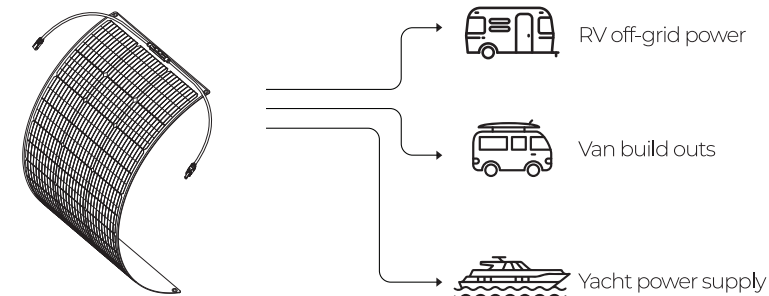
### How to use

#### 1 Unfold



#### 2 How it Works

Plug the solar connectors on the front of your PV100 FX into a 4mm<sup>2</sup> solar connector, combiner, or adapter to plug into your desired device to collect and use solar power.



User Guide

### Note:

Whether connected in series or parallel, make sure the total voltage of solar panels is under the power station's input voltage limit.

### Attention

Regular inspection and maintenance are required to prolong the lifespan of solar panels.



### Warning:

Do not use solar panels in extreme weather conditions like thunderstorms, floods, typhoons, etc.  
Always use solar panels within the specified temperature range (14-149°F/-10-65°C).

### Technical details

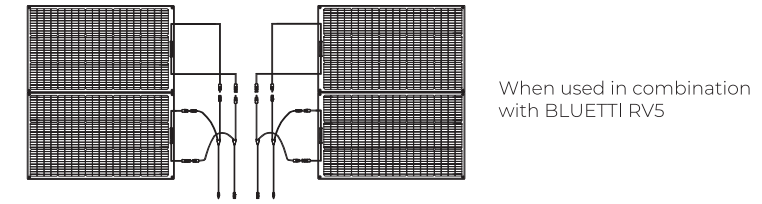
PV100 FX	
Maximum Power(Pm)	100W
Solar Cell Lamination	HPC
Cell Efficiency	Up to 23.4%
Voltage at Max Power(Vmp)	34.5V
Current at Max Power(Imp)	2.9A
Open Circuit Voltage(Voc)	41.4V
Short Circuit Current(Isc)	3.05A
Operating Temperature	14~149°F
Best Working Temperature	77°F
MC4 Output	100W Max
General	
Weight	4.85 lbs / 2.2 kg
Dimensions	39.4*23.2 in / 1000*590 mm

The PV100 FX Solar Panel can be used to charge battery in parallel as shown in the following illustrations.

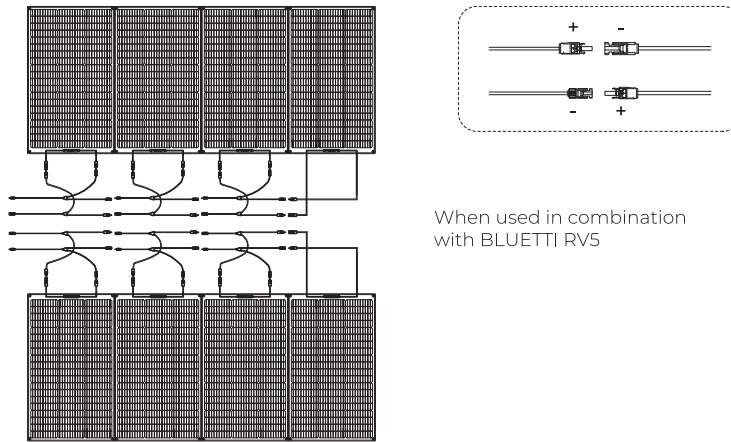
\*Please make sure to use the same model for parallel connection.

User Guide

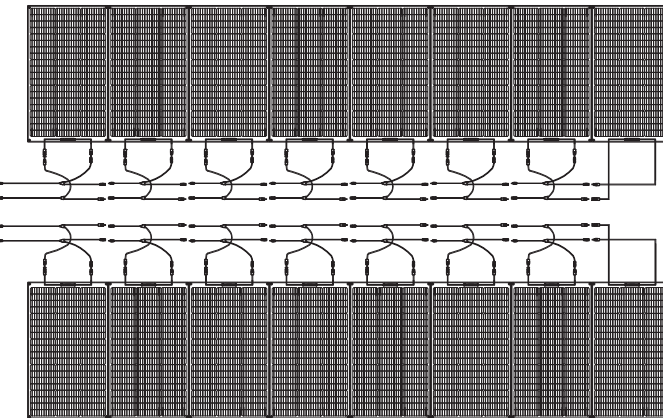
#### 1 Example 1 (4 in Parallel)



#### 2 Example 2 (8 in Parallel)



#### 3 Example 3 (16 in Parallel)



**ELECTRIC SHOCK:** Connecting two or more modules in series results in voltage accumulation and poses a serious danger.

User Guide

### Warranty

12 Months

\* STC: Irradiation 1000W/m<sup>2</sup>, cell temperature 25°C, atmospheric mass number AM 1.5, measurement tolerance ±3 %(Pm).

### Frequently asked questions

#### Is the solar panel waterproof?

The solar panel is IP67 water-resistant that provides protection against water splash. Please do not leave it in the rain or water for a long time.

#### What will affect the final conversion efficiency of solar panels?

The actual solar panel efficiency may be affected by several factors, like weather, sun intensity, shading, panel orientation, temperature, location, dust and dirt. For example, if you live in a place without much sunlight or your panels are covered by shade, you'll get a very low output or none at all.

#### Is the BLUETTI's solar panel compatible with the third party's power station?

Yes. Make sure BLUETTI solar panels' voltage is compatible with your power stations' voltage limit, while you're using the same connector. Please feel free to contact us for compatibility with other power stations.

US REP

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