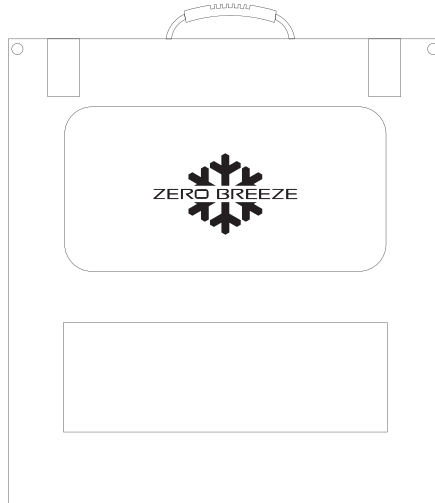




# ZERO BREEZE

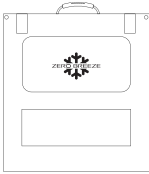
## 100W Solar Panel

USER MANUAL V1.0



Congratulations on your new solar panel

# WHAT'S IN THE BOX



100W Solar panel

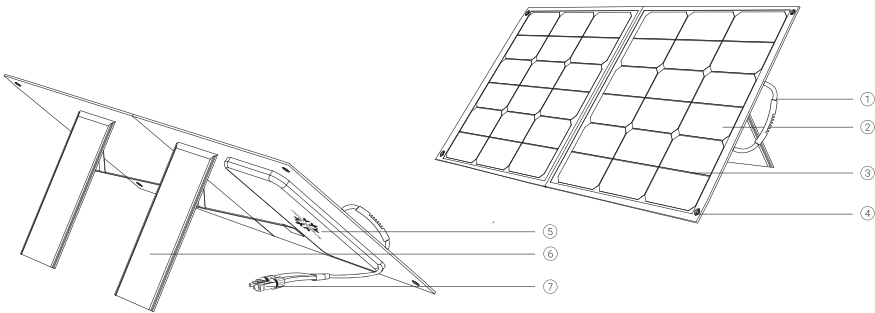


User manual

# FEATURES

ZERO BREEZE 100W Solar Panel has cell efficiency up to 24.5%, was created to harvest the sun power and save your electricity bill. Its surface covers a ETFE lm, which features high corrosion resistance and has strength over a wide temperature range. It weighs 7.98lb only, very convenient to carry outdoors.

Made with SunPower's highest-efficiency Maxeon GEN6 solar cells, our portable solar panels deliver the most power and highest charging capacity in their product class. We manufacture each panel using a top-grade, lightweight material, allowing it foldable for easy transport, installation. Each panel comes with MC4 male and female connectors that can connect easily to solar compatible devices. Connection cables are device-specific and sold separately.



1. Reliable TPE Handle

2. Monocrystalline silicon solar cell

3. Gridlines

4. Fixing holes
5. Storage bag for power cord

6. Adjustable Kickstand 30°/40°/50°

7. MC4 Connector

## SPECIFICATIONS

|                |            |
|----------------|------------|
| Model:         | SP100      |
| Unfolded size: | 1084*536mm |
| Folded size:   | 536*536mm  |
| FF:            | >72.5%     |
| Eff:           | ≥24.5%     |

|      |         |
|------|---------|
| Pmp: | 100W±5% |
| Voc: | 24V     |
| Isc: | 6A      |
| Vmp: | 20V     |
| Imp: | 5A      |

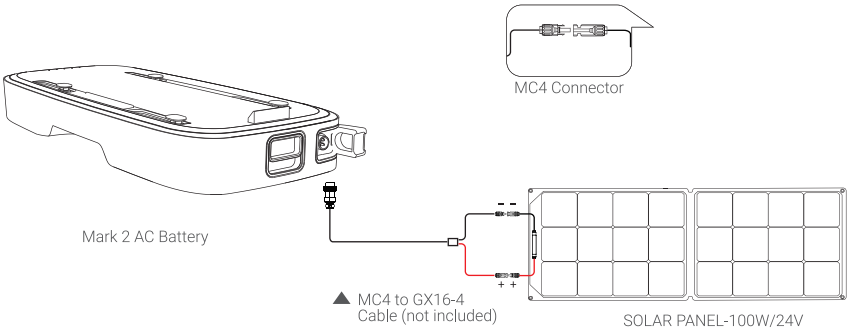
## SAFETY INSTRUCTIONS

- .Do not place your solar panel near fire or flammable materials;
- .Do not place it under the rain, or to soak in water. The ETFE-laminated case is durable enough to extend the lifespan of the solar panel. It is IP65 water-resistant that will protect from water splashing;
- .Do not clean your solar panel with water, please pick a piece of soft and wet cloth clean it regularly and timely;
- .Do not disassemble, bend, hit or step on your solar panel;
- .Do not pierce your solar panel with sharp objects;
- .Do not allow it contact with strong corrosive chemicals;
- .Do not use it to charge automotive batteries directly.

## CHARGE

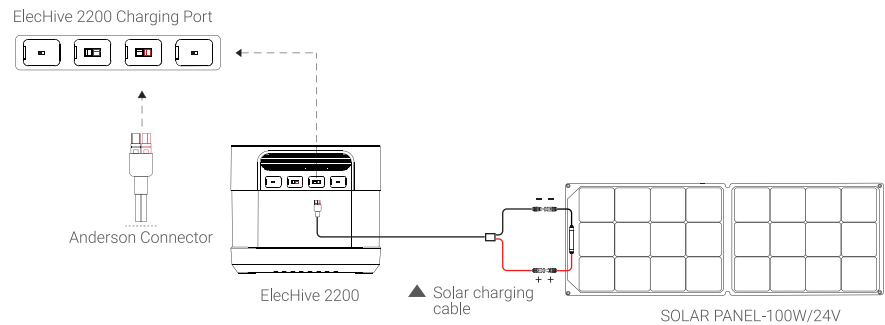
### Charge ZERO BREEZE Mark 2 AC Battery with one 100w solar panel

The open circuit voltage and the rated voltage from one solar panel is 24V and 20V. The max output power would be 100W. (Please note that if you are using the other manufactures' solar panel, the open circuit voltage and working voltage of a 100w solar panel may vary. Assume that the maximum output power of each solar panel is 100W.) Plug into the charging port to charge the Mark 2 AC battery with MC4 to GX16-4 Cable (not included).



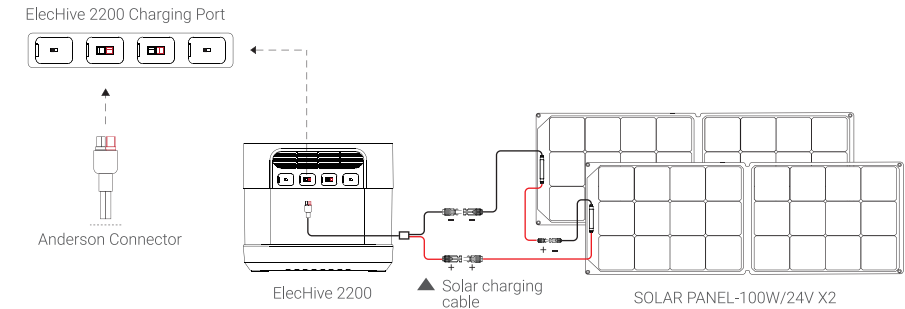
**Charge ElecHive with one 100w solar panel**

The open circuit voltage and the rated voltage from one solar panel is 24V and 20V. The max output power would be 100W. (Please note that if you are using the other manufactures' solar panel, the open circuit voltage and working voltage of a 100w solar panel may vary. Assume that the maximum output power of each solar panel is 100W.) Plug into the normal charging port to charge the ElecHive 2200.



**Charge ElecHive with two 100w solar panels in series**

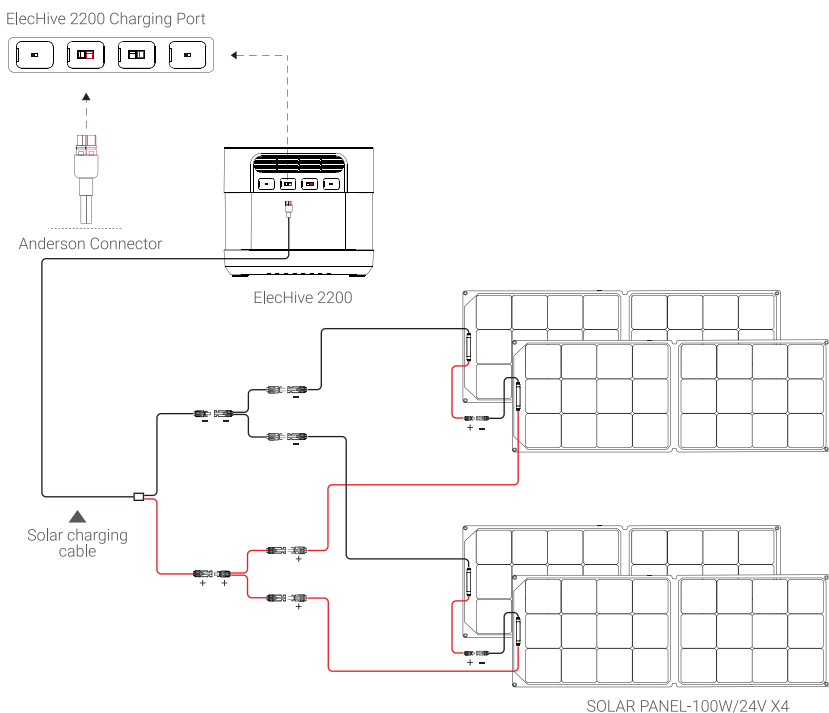
The open circuit voltage and the rated voltage from two solar panels in series is 48V and 40V. The max output power would be 200W. (Please note that if you are using the other manufactures' solar panel, the open circuit voltage and working voltage of a 100w solar panel may vary. Assume that the maximum output power of each solar panel is 100W.) Plug into the fast charging port to charge the ElecHive 2200.



### Charge ElecHive with four 100w solar panels two in series and group in parallel

Put 4 solar panels, 2 in series to form a group, and then connect them in parallel. The open circuit voltage and the rated voltage is 48V and 40V. The max output power would be 400W. (Please note that if you are using the other manufactures' solar panel, the open circuit voltage and working voltage of a 100w solar panel may vary. Assume that the maximum output power of each solar panel is 100W.)

Plug into the fast charging port to charge the ElecHive 2200.



## NOTES

It is not recommended to allow any shades (such as shades from weeds, trees, buildings, etc.) to cover your solar panel while it is working;

It is not recommended to use fabrics or other stuff directly cover the whole or part of the surface of the product while it is working;

To learn more about how to use more solar panels to charge batteries at the same time, please contact our customer service.



Video Tutorial

Visit our official website to watch a video tutorial at [www.zerobreeze.com](http://www.zerobreeze.com)

Warning: Before using this product, please read this manual carefully and keep it for future reference.

The design and specifications are subject to change without prior notice for product improvement.

Consult with your dealer or manufacturer for details.