

# VEVOR

Upgrade · The Home Creator Way

## Solar Panel

FIXED STYLE

MODEL: 100W

VEVOR Support Center



100W (1PCS)



100W(2PCS)

### FIXED STYLE MODEL:100W



This is the original instruction, please read all manual instructions carefully before operating. VEVOR reserves a clear interpretation of our user manual. The appearance of the product shall be subject to the product you received. Please forgive us that we won't inform you again if there are any technology or software updates on our product.



Read and understand this entire manual before operating or servicing this product. Failure to follow these warnings and instructions can cause personal injury or damage to valuable property.

## WARNINGS

- Continuing to use in abnormal situations such as smoking or burning odor may cause electric shock or fire. It is necessary to immediately disconnect the solar panel and connect the charging device.
- If liquid such as water or foreign objects enter the USB charging port, please disconnect the solar panel and connect the charging device, otherwise it may cause electric shock or fire.
- Please do not continue to use this product after applying heavy crunch, which may cause electric shock or.
- Do not disassemble or refit this product, as it may cause electric shock or damage.
- Do not place metal between this product and smartphone as it may cause a fire.
- To prevent accidents, please ensure that the solar panel and device being charged can be immediately disconnected.
- Please do not use this product in the car, on the hood or iron products of the car, in areas where high humidity may occur such as asphalt or sand.
- Do not use close to water, high humidity, or snow. (Note: The outer fabric and solar panel are waterproof, but the USB charging port is not waterproof. Therefore, for your safety, if you do not use this product for a long time, be sure to disconnect the solar panel and connect the device being charged.)
- When cleaning the solar panel, be sure to disconnect the adapter cable and the device being charged. Keep this product away from your children.
- Keep this product away from your children.
- Soaking the adapter cable may damage it, which may cause a fire or electric shock.
- When charging, the product or smartphone may generate heat, but this is caused by product characteristics and not a product malfunction. Turning on the device's power can still charge even in standby mode, but in this case, the charging time may be longer, it is normal.
- Do not put anything on the solar panel, do not press it, bend it, pull it, or damage it.
- Do not stick stickers on or cover the solar panel with a cloth, as this can cause damage, fire, or deformation to the device to be charged in direct sunlight.
- Please hide the object to be charged under the product or avoid direct sunlight. The charging rate depends on the intensity and angle of sunlight. Please note that the charging quality may not meet your needs. The provided data is

theoretical and the actual output will vary depending on the Intensity of sunlight.

- Except for this product, all other accessories must be purchased by oneself.
- The product complies with relevant standards and regulations. Installation of this device must comply with all applicable regulations, and it should only be operated in well-ventilated areas. Please read the user manual before installing and using this equipment.
- This appliance is not intended for use by persons (including children) with reduced physical, sensory or mental capabilities, or lack of experience and knowledge, unless they have been given supervision or instruction concerning use of the appliance by a person responsible for their safety.
- Children shall not play with the appliance.
- This appliance shall not be used by children. Keep the appliance and its cord out of reach of children.
- This appliance is intended to be used in household and similar applications such as:
  - Roof, eaves, balcony
- Please properly keep product. Check whether the product is abnormal before use. If it is abnormal, please stop using it.
- Please use the product according to the intended use, warn of potential injury from misuse.
- Follow the installation instructions to fix the product. The method of fixing stated is not to depend on the use of adhesives since they are not considered to be a reliable fixing means.
- **DANGER:** High voltage inside. Disconnect all power sources before servicing. PV array generates DC voltage even in low light. Do not touch live terminals.
- Do not short-circuit battery terminals. Risk of fire or explosion. Installation must be performed by a qualified electrician in accordance with local regulations.
- Do not operate the unit if it is damaged or has exposed wiring.
- Do not stand on or step on solar panels. Risk of personal injury and product damage.
- Do not cover or shade the panel during operation. Risk of overheating and fire.

## FCC Information

**CAUTION:** Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment!

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:

- 1) This product may cause harmful interference.
- 2) This product must accept any interference received, including interference that may cause undesired operation.

**WARNING:** Changes or modifications to this product not expressly approved by the party responsible for compliance could void the user's authority to operate the product.

**Note:** This product has been tested and found to comply with the limits for a Class B digital device pursuant to Part 15 of the FCC Rules, These limits are designed to provide reasonable protection against harmful interference in a residential installation.

This product generates, uses and can radiate radio frequency energy, and if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this product does cause harmful interference to radio or television reception, which can be determined by turning the product off and on, the user is encouraged to try to correct the interference by one or more of the following measures.

- Reorient or relocate the receiving antenna.
- Increase the distance between the product and receiver.
- Connect the product to an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for assistance.

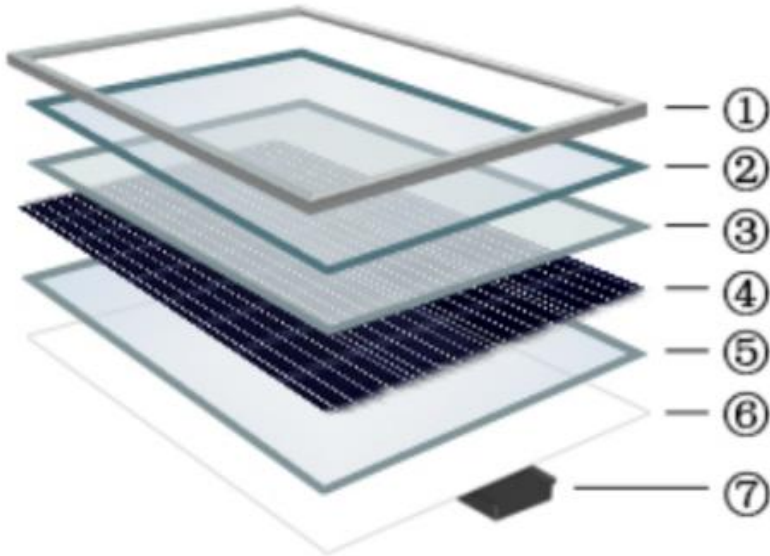
## CORRECT DISPOSAL



This product is subject to the provision of European Directive 2012 /19/EU. The symbol showing a wheeled bin crossed through indicates that the product requires separate refuse collection in the European Union. This applies to the product and all accessories marked with this symbol. Products marked as such may not be discarded with normal domestic waste, but must be taken to a collection point for recycling electrical and electronic devices.

## SPECIFICATIONS

Model	100W
Rated power	100W
Solar Cell	Monocrystalline
open-circuit voltage	21.3V DC
Short circuit current(Isc)	6.1A
Operating Voltage	18V (With controller, compatible with 12V)
working current	5.8A
SIZE	1095*450*29mm

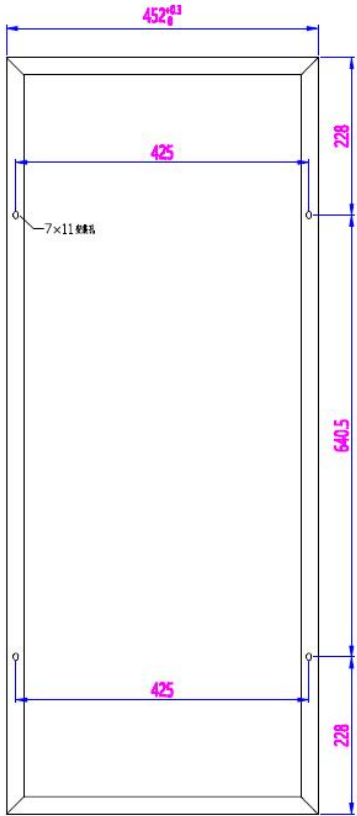
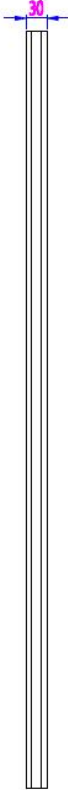
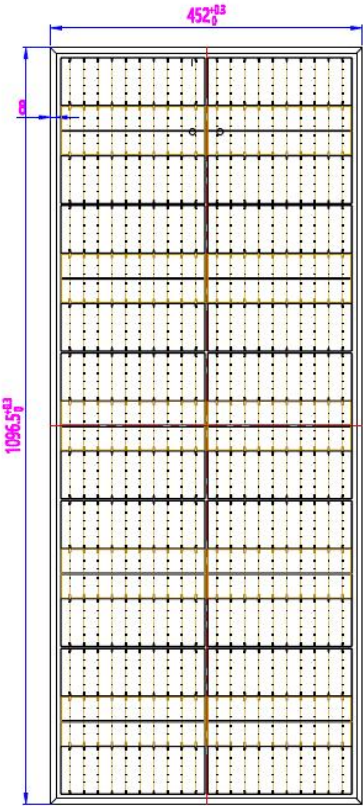


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|---------------------|--------------------|
| ① Aluminum Frame    | ⑤ EVA Encapsulant  |
| ② Tempered Glass    | ⑥ Back Sheet       |
| ③ EVA Encapsulant   | ⑦ ABS Junction Box |
| ④ Crystalline Cells |                    |

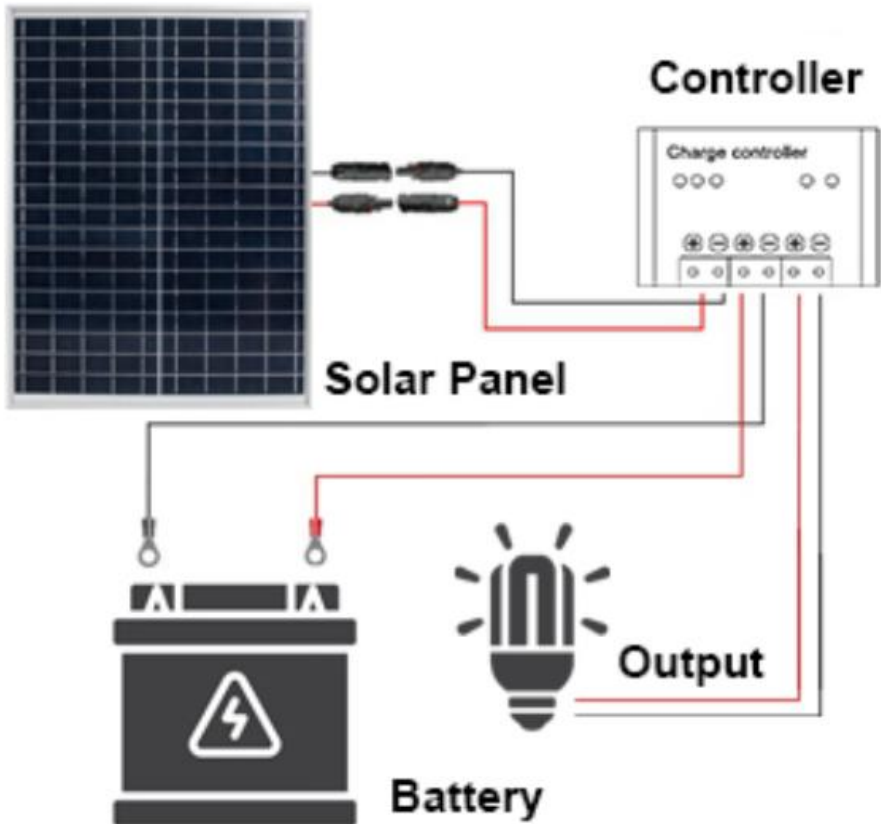
## Reliable Quality

- Linear power technology is used.
- High conversion rate, high efficiency output.
- Excellent low light environment power generation performance.
- High light transmittance quality tempered glass.
- High strength aluminum alloy frame, durable.
- The unique process makes the components both beautiful and easy to install.
- Unique technology to avoid freezing and deformation of water in the frame
- Packaging can be individually designed and customized according to customer needs
- Suitable for outdoor, mountain, water and other application conditions.

# Dimension figure



## OPERATION



### **Additional accessories for 12V fully charged solar panel kit:**

- 12V Charge Controller
- 12V Battery ( Pls make sure your battery voltage is higher than 10.8 volts before connecting to the charge controller, and the safe charging voltage of battery is below 13.86 volts )
- DC Load You Might Have

**200W parallel connection:**

