

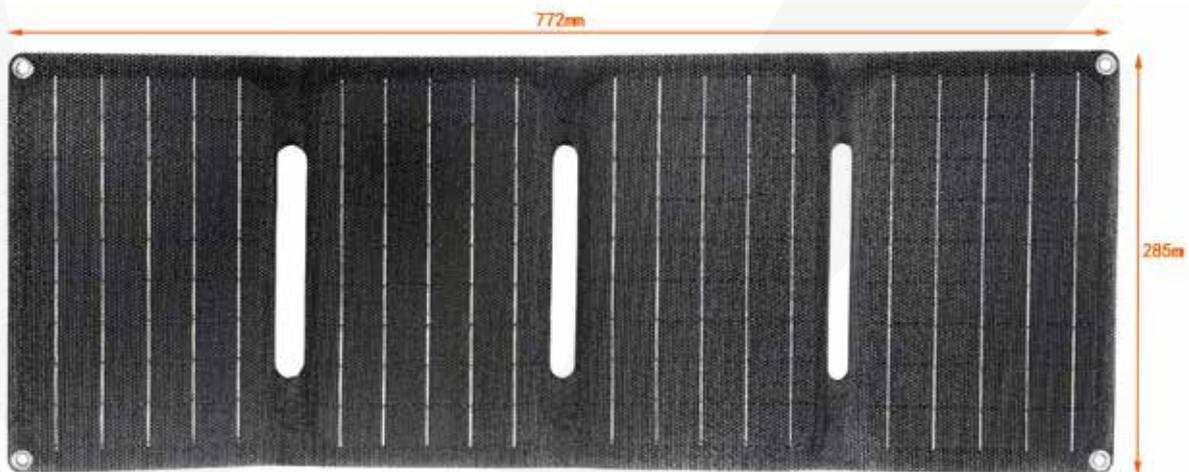


**PvPOWER.CO.ZA**  
Everything Solar

## 30W/18V Folding Solar Panel (Dual USB output Junction Box)

Item No : BL30M-12-C

## 30W/18V Folding Solar Panel (Dual USB output )



# Folding solar panel product instruction manual



**Expanded view (Reference only)**



**Folding View (Reference only)**

## 1、 Product features

- The product is suitable for photovoltaic power generation systems, which are used to charge a variety of energy storage sources in outdoor sunlight. To improve the portability of solar panels, resistance to dropping, easy maintenance and easy installation are designed.
- Solar portable folding panels, structure appearance compact and reasonable, with a brace, suitable for outdoor use.
- Solar panels with FR-4 fiberglass plate base material /Epoxy PCB board + EVA + ETFE protective film laminated packaging technology. product life span of 10 years.
- High efficient – grade A Mono-crystal silicon cells, the cell photoelectric efficiency exceeds 22 %
- This series of solar folding bag is suitable for charging the energy storage battery of USB charging port.
- The product has anti-fall impact, (The height of the fall is less than 1 meter ,The front of the

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solar panel should not hit sharp objects, in case of the solar cell is damaged.

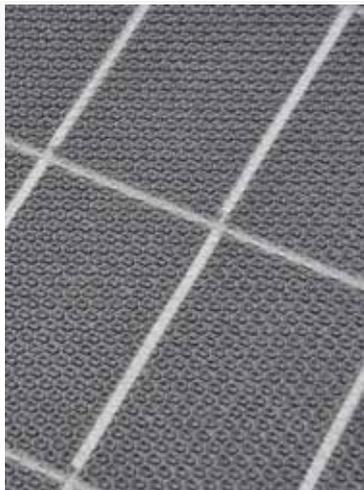
- Standard USB fast charging port \*1+USB normal charging port \*1, the output interface can be customized.
- Waterproof nylon cloth and technology, rain water does not affect the normal use,(Do not be exposed to conductive/corrosive liquids such as seawater, which may lead to internal short circuit, resulting in the failure of normal power generation. If contact, rinse with clean water and dry)

Can be customized according to user's requirements(color/power/voltage/size, etc.)

## 2、Performance parameter:

Model	BL30M-12-C
Peak power Pm(W)	30W
Open circuit voltage Voc(V)	23.5V
Max. power voltage Vmp(V)	19.5V
Max. power current Imp(A)	1.538A
Short circuit current Isc(A)	1.615A
Solar cells Efficiency	22.0%
Solar panel model&number	7.5W*4pcs
Folding size	285*195*3mm (No outlet box high)
Deployment size	772*285*30mm (Including outlet box high)
Weight	0.83kg
Solar cell	Grade A monocrystalline silicon cell
Solar panel Front cover(material)	<input checked="" type="checkbox"/> Transparent ETFE <input type="checkbox"/> Transparent composite reinforced (option)
Solar panel backboard(material)	<input checked="" type="checkbox"/> Epoxy plate (default) <input type="checkbox"/> FR-4 fiberglass board (optional )
Output port	<input checked="" type="checkbox"/> Standard USB fast charging *1+USB Normal charging port *1 USB1: 5V* 3.4A ; 9V*2.0A; 12V*1.5A USB2: 4V* 3.6A; 5V*3.4A; 9V*2.5A 12V*2A
Solar folding handbag material	<input checked="" type="checkbox"/> Black (waterproof) color/pattern can be customized and silk-screened
NOCT/Operating temperature limits	Rated Tem: 48±2°C /Operating Temp Range: -40°C- +85°C
Life/ Warranty	Lifetime≥10Year/ Warranty: 1Year
STC	Irradiance:1000W/m <sup>2</sup> ,Temperature:25°C,AM:1.5
Package	External dimensions of single carton:310*205*42mm. Outer box outer size:445*430*340mm(20 pcs/ctn)

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(ETFE surface)

## 3、Instructions

### Precautions for use

- Solar panels should be placed in direct sunlight and angled to receive sunlight for maximum power generation.
- This product is suitable for the phone/Power bank(USB 5V)and the mobile energy storage power equipment (with built-in solar charging protection function) or battery charging. However, the output electrodes of the solar panel cannot be used to charge the battery directly, so a solar charging controller must be installed. To protect the battery from overcharging or to prevent uncontrolled damage to the solar panel/battery and the person after connecting the reverse electrode. If the device is integrated with an energy storage, it is connected to the corresponding solar charging port as required by the manufacturer of the energy storage integrated device.
- When encountering rain, it will not affect the normal use. (Note that it should not be contacted by conductive/corrosive liquid such as seawater, which will cause short circuit inside the junction box and cause abnormal power generation. If there is , rinse it with clean water and dry it in time.)
- Check product specifications for power, current, and voltage requirements before adding mobile energy storage devices. Do not exceed the limit to prevent device damage and uncontrollable consequences.
- The voltage of a solar panel in sunlight should not exceed the safety voltage of the human body, but it should also avoid direct contact with the electrodes of short-circuiting devices to avoid electrocution resulting in a safety risk! If the solar panel is damaged, stop using it.
- It should be handled gently when in use, do not beat, heavy load, impact, otherwise may seriously damage the solar cells!

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Product certificate	
Name	30W/18V FOLDING SOLAR PANEL CHARGE
Specification	
Qty	1pcs
Date	
Inspector number	01
This product has passed the factory inspection and is approved to leave the factory!	