

# EASTON™

## Solar PBOX Power Bank



Our Easton PBOX Power Bank is a solar power supply system comprised of a built-in lithium battery, a controller, and a standard USB port. It energizes through the external solar panel, providing users with a complete set of solar energy solutions for power generation, storage, and power supply. It is also easy to use and hard to damage. The Easton PBOX Power Bank is equipped with a 20-60W solar panel and a 77Wh-308Wh battery capacity, which is able to meet most needs. Users can easily charge their LED light, fan, cell phone, IPAD, MP3, laptop or any other small household appliance through the USB/DC inverter port. It is not only an emergency power source but also a system that can meet basic household electricity demands in an area without easy access to electricity.

Simple Installation Easy to Carry



- Portable & Compact Solar System
- Charge multiple devices at once
- Available in 77-308Wh battery capacity
- Equipped with a 20-60W solar panel
- Large Capacity LiFeP04 Lithium Battery
- 1 Year limited warranty



There are optional Suitcase Type Solar Panels and LED Lamps available.



# EASTON™

## Solar PBOX Power Bank

### Specifications

Model #	Battery Capacity	USB Output	DC Output	Charging Input	Net Weight	Solar Panel	PV Net weight	Gross Weight
AVS-P6B80	77Wh	5V 2.1A (4 pieces, 3.6A max)	11~14.5V 5A & 2A	17~22V 5A	2 LB	20W 18V	4.9 LB	11 LB
AVS-P6B80	77Wh	5V 2.1A (4 pieces, 3.6A max)	11~14.5V 5A & 2A	17~22V 5A	2 LB	30W 18V	6.6 LB	13.2 LB
AVS-P6B160	154Wh	5V 2.1A (4 pieces, 3.6A max)	11~14.5V 5A & 2A	17~22V 5A	3.3 LB	45W 18V	11 LB	19.8 LB
AVS-P6B240	230Wh	5V 2.1A (4 pieces, 3.6A max)	11~14.5V 5A & 2A	17~22V 5A	5.1 LB	60W 18V Suitcase	15.4 LB	28.7LB
AVS-P6B320	308Wh	5V 2.1A (4 pieces, 3.6A max)	10~15V 5A & 2A	17~22V 5A	7.3 LB	60W 18V Suitcase	26.5 LB	41.9 LB

### Applications

- Emergency Power Supply
- Telecommuting/Rural Worksite
- Household electricity demands
- Charge small appliances
- Remote Areas

Fully Charges within  
1 - 4 Hours

### Quick Charging



### Advantages

- It uses large power battery cells
- Easy to use and hard to damage
- Charge multiple devices through the USB/DC inverter port
- Safe, reliable & dependable power source for preppers
- Eco-friendly, heat-resistant, small size, light-weight, and anti-explosive
- Protection of over-voltage, over-current, overcharge and over-discharge
- The core uses a high-speed processor with high stability & reliability
- The battery charging and discharging efficiency is up to 96%
- Battery has over 6 year lifespan, and is able to support over 2,000 charge & discharge cycles
- Equipped with exclusive mounting brackets to install the solar panel on the roof or on the ground easily
- Optional suitcase type solar panel with carrying handle, makes it easy to carry, install and store



# EASTON™

## Solar PBOX Power Bank

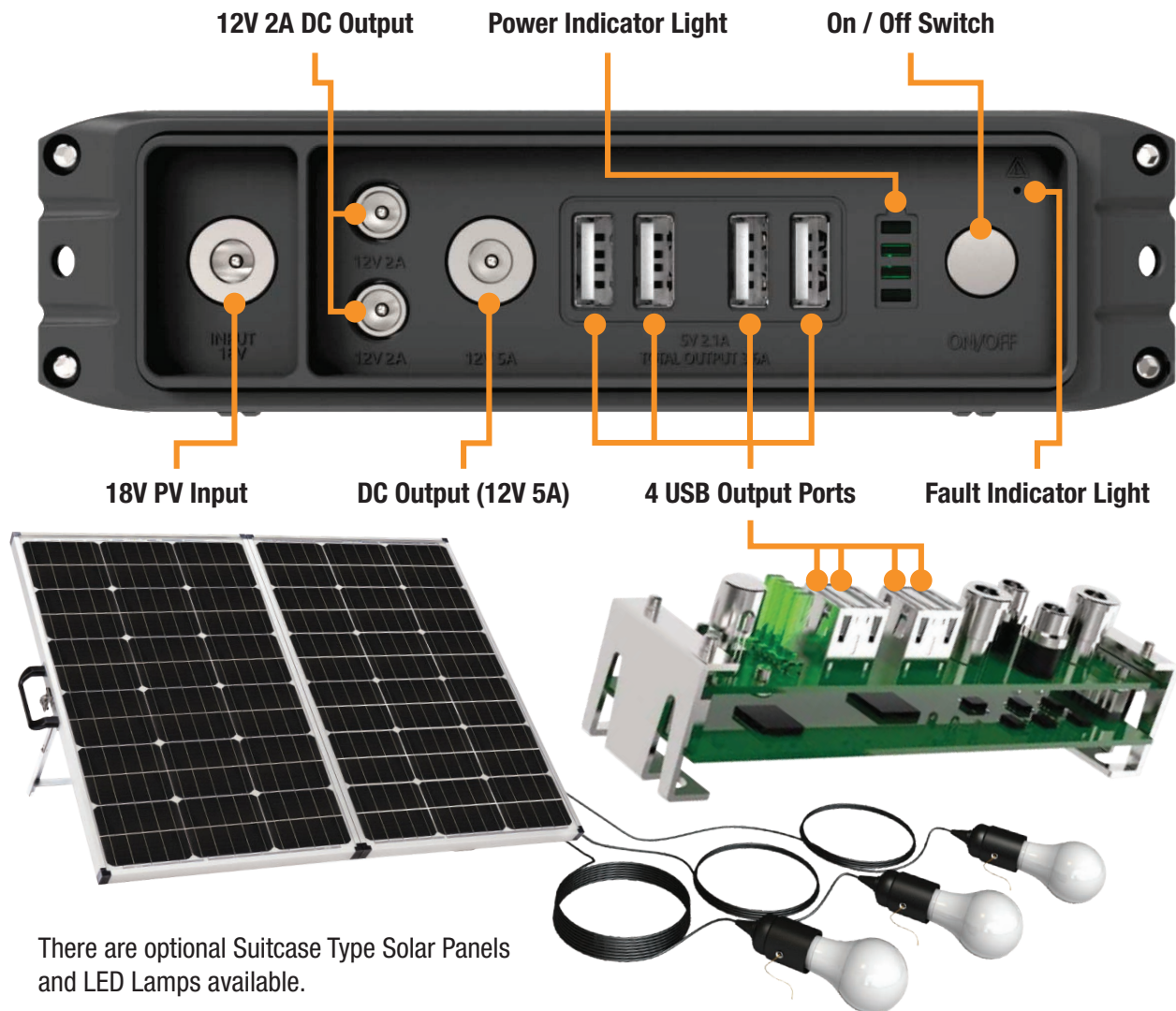
### Multiple Ports with Reliable Performance

Equipped with 4 USB ports, it's able to charge cell phones, IPADs, MP3s, etc.

The built-in 12V 5A/2A DC output, provides electricity to LED lights, fans, laptops, small TVs, etc.



### Interface Ports



There are optional Suitcase Type Solar Panels and LED Lamps available.





# EASTON™

## Solar PBOX Power Bank

### High Efficiency Controller

- The core processor uses a high-speed processor with high stability and reliability
- The battery charging and discharging efficiency is up to 96% (± 1.5% error range)



PBOX SERIES POWER BANK					
Model No.	P6B80	P6B80	P6B160	P6B240	P6B320
Battery Capacity	77Wh	77Wh	154Wh	230Wh	308Wh
USB Output	5V 2.1A (4 pieces, 3.6A max)				
DC Output	11~14.5V 5A&2A				10~15V 5A&2A
Charging Input	17~22V 5A				
Net Weight	2 Lbs		3.3 Lbs	5.1 Lbs	7.3 Lbs
Dimensions	5.8 X 6.4 X 1.7"		8.6 X 6.4 X 1.7"	11.3 X 6.4 X 1.7"	14 X 6.4 X 1.7"
Solar Panel	20W 18V	30W 18V	45W 18V	60W 18V Suitcase	
PV Net weight	4.9 Lbs	6.6 Lbs	11 Lbs	15.4 Lbs	26.5 Lbs
PV Dimensions	18.3 X 13.8 X 1"	25.8 X 13.6 X 1.3"	30.1 X 13.9 X 1.4"	25.8 X 13.6 X 2.6"	30.1 X 13.9 X 2.8"
Overall Dimensions	20.5 X 15.4 X 4.3"	28.1 X 16.3 X 4.1"	33.3 X 16.3 X 4.1"	28.1 X 16.3 X 5.1"	33.3 X 16.3 X 5.1"
Gross Weight	11 Lbs	13.2 Lbs	19.8 Lbs	28.7	41.9 Lbs
Certification	European Conformity				

### Large Capacity LiFePO4 Lithium Battery

- Uses large power battery cells which can be quickly charged & discharged
- Over 6 year lifespan, and is able to support over 2,000 charge & discharge cycles
- Eco-friendly, heat-resistant, small size, light-weight, safe and anti-explosive
- Overall protection of over-voltage, over-current, overcharge and over-discharge

OPTIONAL LED LAMP			
Model No.	B3W5V	B5W5V	B7W5V
Wattage	3 W	5 W	7 W
Input Voltage	5 V		
CRI	80		
CCT	4000 K		
Luminous Flux	270 Lm	450 Lm	630 Lm
LED lamp size	50 X 85	60 X 110	65 X 115

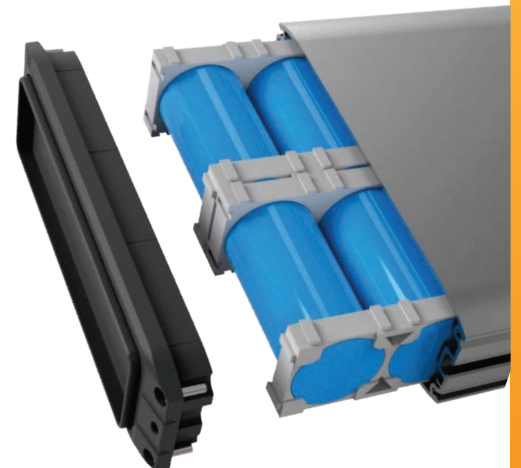
B3W5V



B5W5V



B7W5V





# EASTON™

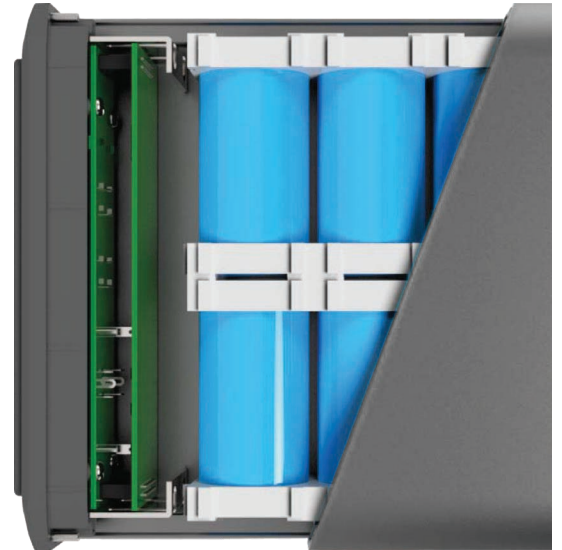
## Solar PBOX Power Bank

### Highly Efficient Solar Panel

- Equipped with exclusive mounting brackets which allow us to install the solar panel on the roof or on the ground easily
- Optional suitcase type solar panel with carrying handle, makes it easy to carry, install and store

### Safe and Reliable

The output voltage of the whole system is lower than 36V, which is harmless to human bodies and animals. Moreover, the system has over-voltage, over-current, short circuit and reverse polarity protection. Additionally, the high strength aluminum alloy housing and frame has anti-corrosive, heat-resistant and fire-resistant properties, providing users with sufficient protection.



### Simple Installation Easy to Carry

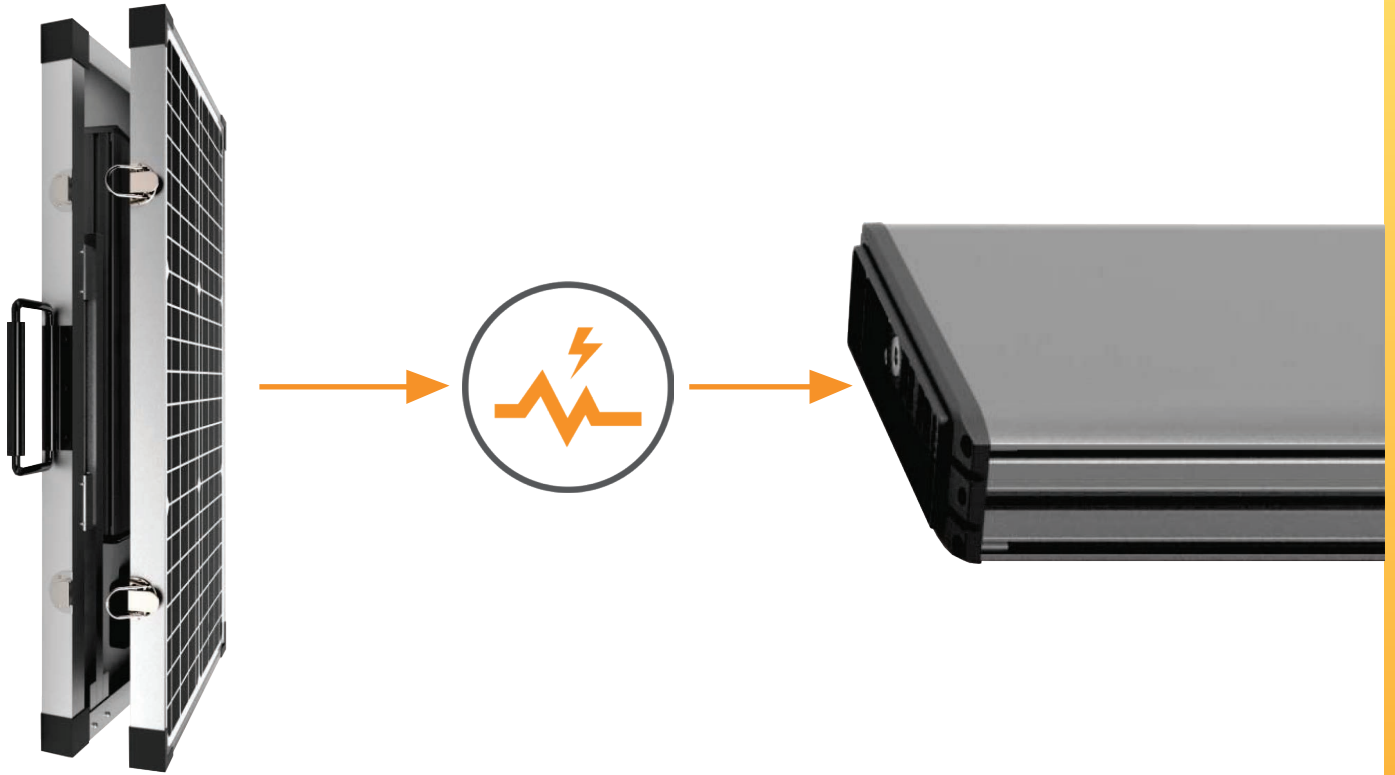


# EASTON™

## Solar PBOX Power Bank

### Quick Charge

The rated voltage and rated current are 18V and 5A respectively. For example, under sufficient sunlight the highest power model with 308WH battery, can be fully charged within 4 hours, and the lowest power model with 77Wh battery can be fully charged within one hour.



Cell phone  
(8Wh)  
19 times



Tablet PC  
(20~30Wh)  
5-8 times



Laptop  
(30~40Wh)  
4-6 times



DSLR Camera  
(8Wh)  
19 times

You can recharge these devices multiple times based on 154Wh Battery Capacity!

### Large Battery Capacity for Super Charging



# EASTON™

## Solar PBOX Power Bank

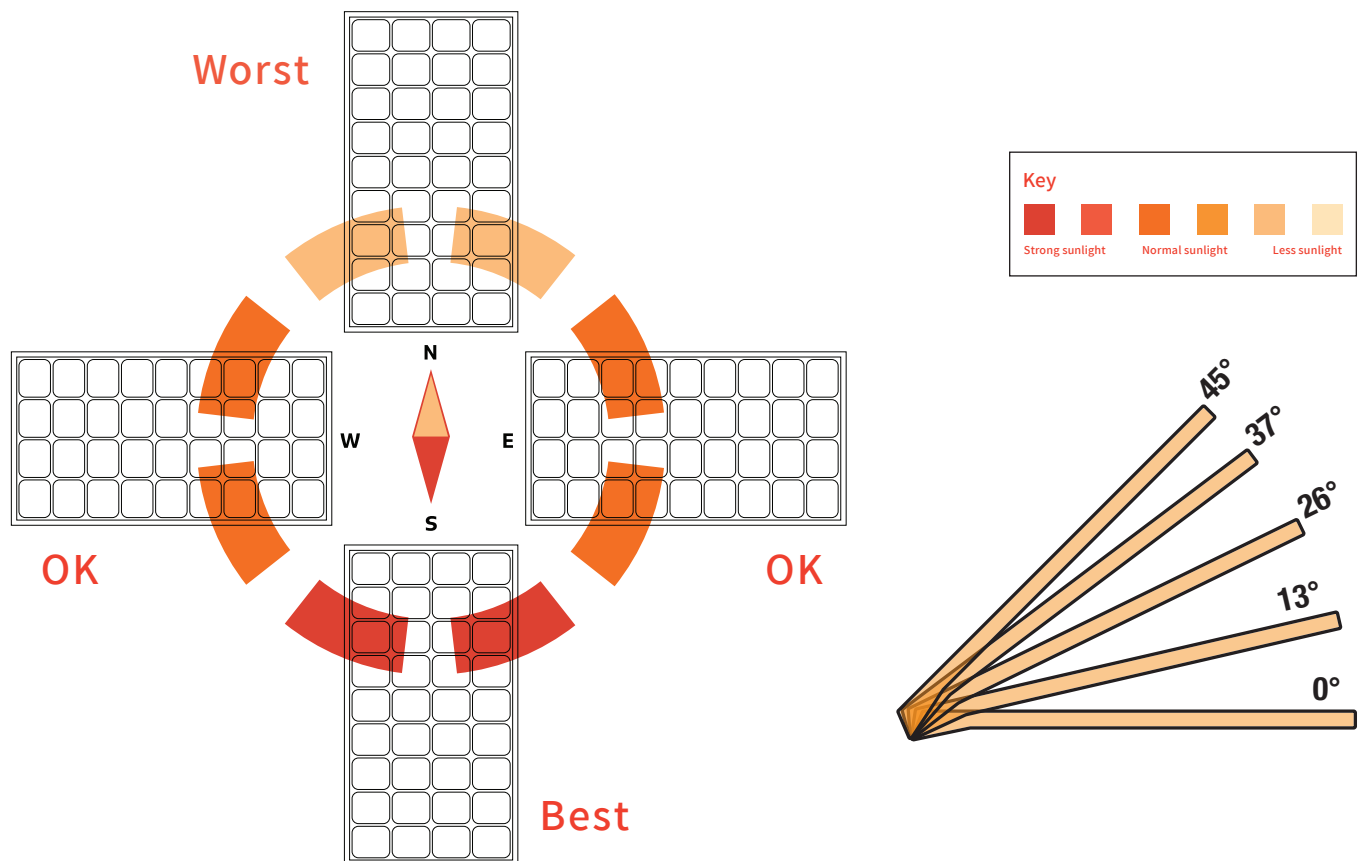
### Optimum Panel Orientation

The Solar charge in a battery pack won't last forever. The off-grid system relies on stored solar energy for autonomy. Angling your solar panels properly can boost the power intake of your solar lighting system. You want to angle your solar panels at a tilt based on the area's latitude.

#### Tip for Maximum Power

You can increase the tilt 15° in the winter or decrease 15° in the summer. In this way you can get the maximum sunlight to recharge the battery.

### Best Facing Direction of Solar Panel



**The area will dictate the installation of the fixtures and will sometimes prevent the lights from facing south.** Panels facing West & East won't get as much light as Southern facing panels, but will still collect a good amount of sunlight. A North facing panel also works, but it will take longer to charge than any other direction. This would mean that the solar charge will be less optimal if installations are facing North.





# EASTON™

## Solar PBOX Power Bank

### Optimum Panel Orientation

