



# Smart battery box with solar charge controller

How does a portable solar charger work?

The solar panel aims to keep the 12V battery at an appropriate storage voltage by converting solar energy into electrical energy. The portable solar charger is light in weight and small, and comes with pre-drilled holes for easy installation. The included alligator clip and cigarette lighter, o-ring terminal, meet different needs.

Can a solar panel charge a 12V battery?

The battery will discharge in its natural state, easily causing damage to the battery. The solar panel aims to keep the 12V battery at an appropriate storage voltage by converting solar energy into electrical energy. The portable solar charger is light in weight and small, and comes with pre-drilled holes for easy installation.

How does a battery controller work?

No Overcharging, No Battery Drain: The controller safeguards your battery by preventing overcharging. When the battery is full, it automatically stops charging, resuming when the voltage drops. Our solar panel system ensures battery safety without draining any battery power

Why should you use a smart solar MPPT Charger?

The advantage of this is most noticeable when the sky is partially clouded, and light intensity is constantly changing. Remotely control and monitor the extensive features of your SmartSolar MPPT charger with built-in Bluetooth by pairing it with your smartphone or other device via VictronConnect.

Can smart solar recharge a depleted battery?

SmartSolar maintains battery health, extending its life. The SmartSolar charge controller will even recharge a severely depleted battery. It can operate with a battery voltage as low as 0 Volts, provided the cells are not permanently sulphated or otherwise damaged.

Can a solar panel run with a 0 volt battery?

It can operate with a battery voltage as low as 0 Volts, provided the cells are not permanently sulphated or otherwise damaged. By constantly monitoring the voltage and current output of your solar (PV) panels, MPPT technology ensures that every drop of available power is rinsed out of your panels, and harvested for storage.

Charge the battery from various sources, including solar panels via a solar charge controller by plugging into one of the 50A Anderson-style ports. The large digital display ensures easy monitoring of the battery's charge status and voltage.

SmartSolar MPPT 75/10, 75/15, 100/15 & 100/20 A solar charger gathers energy from your solar panels, and stores it in your batteries. Using the latest, fastest technology, SmartSolar maximises this energy-harvest, driving it intelligently to ...



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