



Compact Back-up System(TDB)

System Description:

This is a compact home energy solution, consisting of SmartBox and 3000W Portable Power Station. When there is a black-out, SmartBox automatically transfers power from 3000W Portable Power Station directly to the appliances, ensuring uninterrupted power supply. The Power Station can be configured with up to six 2.5kWh battery packs to reach a total capacity of 17.5kWh.

System Highlights

01

SmartBox continuously monitors the power coming from your utility.

02

Power Station can be fully charged by two 400W solar panels in 3.5 hours.

03

Ensure uninterrupted operation of your essential home circuits during power outages.

04

Uninterrupted power supply (EPS), switch to back-up power within 14mS.

05

Straightforward to install and a cheaper and safer alternative. Farewell to expensive and complex systems.

06

Power Station can be configured with up to six 2.5kWh battery packs to reach a total capacity of 17.5kWh.

Apply



System data



SMART BOX

INV (Backup power AC input interface)		EPS (Backup power AC output interface)	
Rated AC Power	2300W	Rated AC Power	3000W
Rated Continuous Output Current	10A	Rated Continuous Input Current	13A
AC Output Voltage(Nominal)	230V	AC Input Voltage(Nominal)	230V
AC Output Voltage Range	197-253V	AC Input Voltage Range	220-240V
AC Frequency(Nominal)	50Hz/60Hz	AC Frequency(Nominal)	50Hz/60Hz



3000W

System data

Battery Type	Square aluminum case LiFePO ₄ power battery
Energy Capacity	2560Wh
Cycle Life*	6000 Cycles
Depth of Discharge (DOD)	95%
USB-A Output	5V/2.4A, 12W Max*2
USB-A Output (quick charge)	5V/3A, 9V/2A, 12V/1.5A, 18W Max*2
USB-C Output	5/9/12/15V 3A, 20V/5A, 100W Max* 2
DC5521 Output	12.6V, 3A* 2
Car Port Output	12.6V/10A, 126W Max



2560Wh

System data

Energy Capacity	2560Wh
Nominal Voltage	51.2V
Charge / Discharge Current	50/70A Max.
Operating Ambient Temperature Range	Charge: 0-45°C/Discharge: -20-45°C
Storage Ambient Temperature Range	-20-45°C
Operating Ambient Humidity Range	10-85%
Net Weight	≈ 25.2KG