



# Small Home System

## A small solar power system of DIY type

- For mountain climbing, hiking, camping
- For outlying houses that are no power supply
- For emergency power



### ■ Main Function

- Connect to solar module and generate power from sunlight
- Store energy into embedded Lithium-Ion battery
- Various output : AC110V or 230V , DC 12V , USB 5V

### ■ Features

- Easy to install , uninstall and carry
- Compact and light
- Economical and flexible to assemble
- Green energy , eco-friendly
- Conform to the standard of CE
- Detect and manage the capacity of battery to prevent overcharge or overdischarge

### ■ Components

- Power Converter (including inverter , control board , Lithium-Ion , etc)
- solar module
- Indoor adaptor
- Backpack (Optional)



SHS Power Converter –  
The kernel component of small home system



### Weight & Dimension

Item	Specification
Weight	2.6 Kg
Size	300*180*60 mm

### Charging Specification

Item	Specification
Voltage for solar module	15~50V
Max Charging Current (Continue)	DC 11A
Efficiency of converter	>92%
Battery charging protection	DC 15.6V
Low Voltage Protection	DC 10V±5%
Fuse for battery	15A
Solar module	5Wx4

### Discharging Specification

Item	Specifictaion
Discharging Voltage of Battery	12V
AC Output Voltage	AC 110V or 230V, Universal receptacle
AC output wave form	Modified Sine Wave
Max. Output Power	150W
DC Output Voltage 1	12V car charger
DC Output Voltage 2	5V/0.5A USB x 2
Fuse for AC Outlet	2A
Max Battery Support	< 10AH@13.2V

### • Application •

