

User Manual

8WSS Portable Solar Charging and Lighting System



Name: Portable DC Power and Lighting System

Model: 8WSS

Specifications:

- Solar panel: 17.5V/8W monocrystalline panel with 16' cable with 5.5mm X 2.1mm plug
- Dimensions: 13.4"W X 9"H X 0.78"D
- Charge control unit (CCU): Dimensions 6.7"W X 5.5"H X 2"D. Sealed Lead-Acid battery 12V/4Ah
- Max CCU output: Three (3) 3.5 X 1.35mm jacks: Max. 3 at 12V/10w. USB: Std-A 5V/500mA
- LED Bulbs: Two DC12V lamps; each includes a 16' foot power cable with 3.5 X 1.35mm plug
- 110V/60Hz, 1A AC X 15V/1A DC (15W) charger with 5.5mm X 2.1mm plug with 4' cable
- Cigarette lighter adapter with 12-inch (12") cable

System overview:

The system is designed for recreational or emergency lighting and power while electricity is not available. The battery is charged by the solar panel through the 5.5mm X 2.1mm connector on the front of the charge control unit. Stored power is supplied through the (3) 3.5mm X 1.35mm female receptacles on the front of the CCU. A 110V/60Hz AC charger is included for quick-charging the battery or when solar charging is unavailable. The Std-A USB interface is applicable to a wide range of mobile devices, MP3 and CD players. The system is designed with protection from overcharging, over-discharging, overload and short circuit. The LED charge indicator on the CCU indicates the system is charging. Three indicators (showing the available capacity of the battery) are all on if the capacity is full. Two indicators are on if the capacity is 70% full. One indicator is on if the capacity is 30% full.

Operation:

- 1) Fixed the cable of solar panel into control box directly.
- 2) Turn on the switch on the control box.
- 3) The white indicator is on while the battery is charged.
- 4) The battery is fully charged when the indicator is flashing.
- 5) The battery is not being charged if the indicator is off.
- 6) After full charging or used, please turn the switch to ensure the power won't be waste.

Warning:

The system should only be equipped with the designated solar panel and mains power. Do not connect the system to a bigger power solar panel. Keep the control box dry. Please keep a charge to the control box at least once every 3 months