

Solar Battery Pack User Manual

Solar International Botswana

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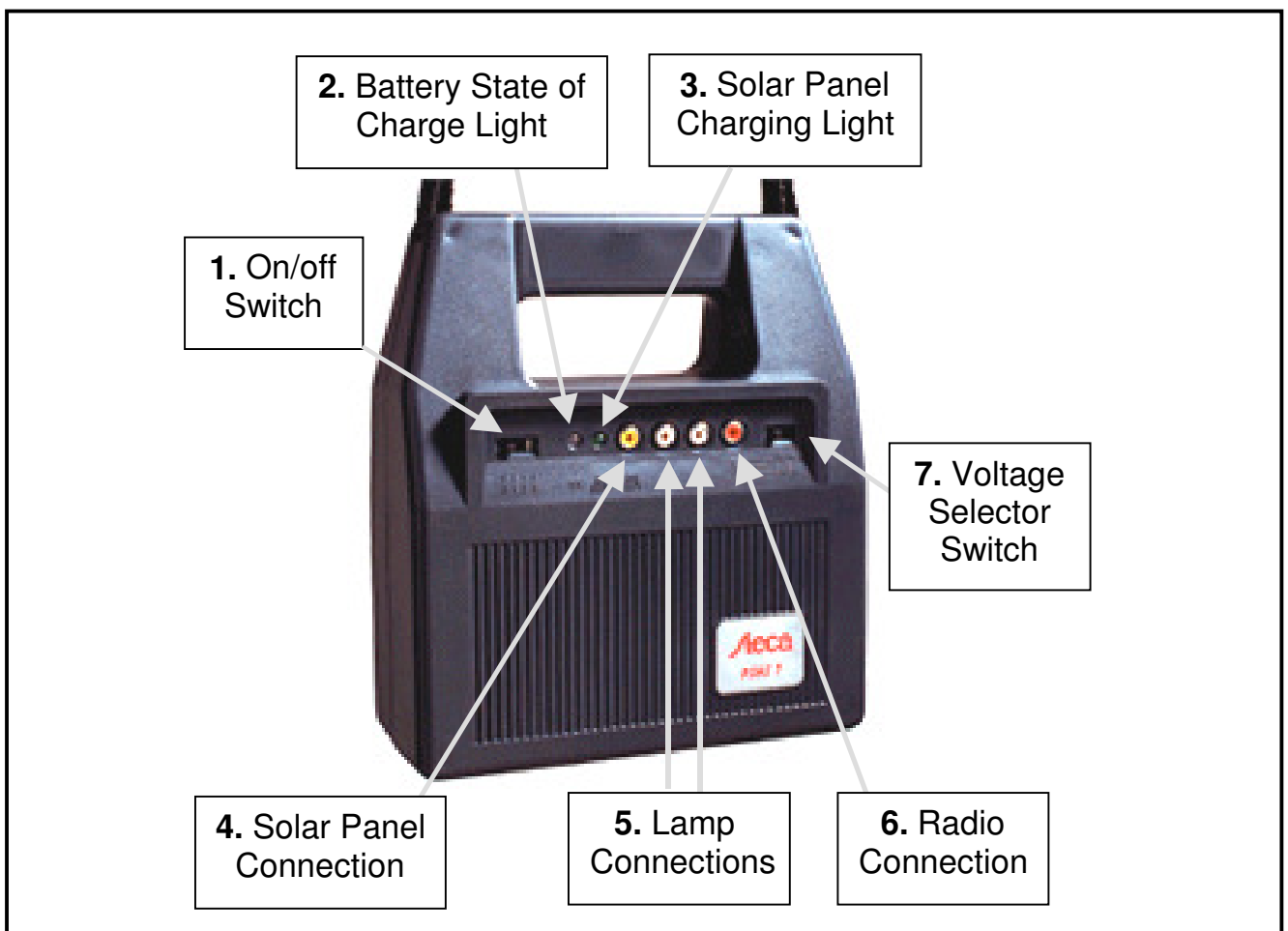
What is the *Solar Battery Pack* and how does it work?

The *Solar Battery Pack* is a complete solar system that comes with a solar panel, two lights, a battery with built-in charge regulator and cabling. DC equipment such as lights and a radio or Hifi may be connected.

The *Solar Battery Pack* uses the light from the sun to charge the internal battery.

During daytime, place the solar panel in the sun and connect it to the *Solar Battery Pack*.

Do not drop the solar panel, as it breaks easily. Handle cables and plugs with care.



1. **On/Off Switch** is used to switch the equipment and panel on or off. Make sure the switch is in the on position when using and charging the *Solar Battery Pack*.
2. **Battery State of Charge Light** is green when the battery is charged and red when the battery is discharged. When the light is red, connect the solar panel and place it in the sun to charge the battery.
3. **Solar Panel Charging Light** is yellow when the solar panel is charging the battery.
4. **Solar Panel Connection** is a socket for connecting the solar panel.
5. **Lamp Connections** are two sockets for connecting two lamps.
6. **Radio Connection** is a socket for connecting a radio or small Hifi system (maximum 25W).
7. **Voltage Selector Switch** is used to select different voltages: 3V, 6V and 9 Volt may be selected.

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Charging time for the *Solar Battery Pack*

Note that with a fully charged battery the LED lamp can be used for approximately 80 hours (over 3 days continuously) and the CFL lamp can be used for approximately 4 hours, until the battery is fully discharged.

The *Solar Battery Pack* may be used day or night.

The solar panel provided with the Solar Battery Pack is rated at 7 Wp. If the battery is fully discharged it will take a full day to charge it on a sunny day and with the solar panel facing the sun. Under cloudy conditions it will take two or more days to charge the battery.

Technical Specifications of the *Solar Battery Pack*

Recommended solar panel: 3 - 10 Wp

Battery capacity: 7 Ah

Max. module current 2A (approx. 25 Wp solar panel)

Nominal voltage: 12 V DC

Number of solar panel inlets: 1

Number of 12 V DC outlets: 2

Number of 3/6/9 V DC outlets: 1

Load current of 12 V DC outlets: 2A (25 W max)

Load current of 3/6/9 V DC outlets: 200/300/500mA

Dimensions: 79 x 185 x 208 mm

Weight: 3,2 kg

Admissible ambient temperature: 0 - 40C

Approximate hours of use:

LED lamp 0.7 W: 80 hours

CFL 11 W lamp: 4 hours

Radio 2W: 20 hours

Cassette player 4W: 10 hours

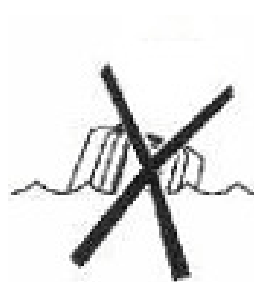
All items of the *Solar Battery Pack* have a limited manufacturer guarantee of 1 year against bad workmanship



Do **NOT**
open the case



Do **NOT** place
the battery
in the sun



Do **NOT**
place the battery
in water or clean
with water



Do **NOT** place
close to fire