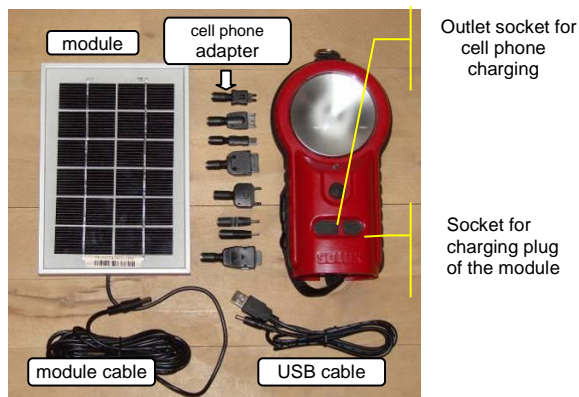


Operation manual for Solar lantern SOLUX-LED 105

Here is our description for the use of the mobile Solar lamp SOLUX-LED 105.

The package consists of :

- lantern
- solar module
- mobile phone adapter set (9 pieces)
- USB cable
- and operation manual



The LED-105 lantern provides roomlight. With its eye you can hook the lantern on a nail or you can suspend it horizontally on a hook above the table.



The clasp on the strap is easy to open : just press on both sides.

Operation of the lantern

Pull off the module plug after charging the lantern. Press the button once (position I) to obtain 15 % brightness, another time (position II) to obtain 50 % brightness or a third time (position III) for 100 % brightness.

On position I or II the lantern will shine far longer than on position III. After cloudy days with little sun it is better to use position I or II in order to economize energy.

Pressing the button a fourth time will turn the lantern off.

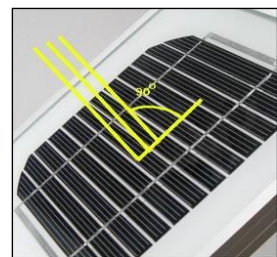
ON/OFF SWITCH
1. ON: 15%
2. ON: 50 %
3. ON:100 %
4. OFF



Positioning of the solar module

Our SOLUX-LED-105 system consists of a solar module with its cable and plug and a lantern with rechargeable battery.

- The solar module should be positioned in a way that it is directly exposed to the sun, if possible all day long.
- The cable between the module and the lantern is 4 m long.
- It is important to avoid shade on the solar module, even partial shade!
- Ideal exposure to the sun is given when the module is positioned at right angles to the sun at noontime.
- The surface of the solar module should always be kept clean and dust free
- The boreholes on the backside of the module serve to safely fix it on a solid surface with wire or screws.



Recharging the lantern

- Insert charging plug of the solar module into the plug socket on the right side of the lantern and **switch the lantern off**. (If you don't, the lantern will shine during daytime and no energy will be left at night). The small LED shines red when there is a charging current. When the batteries are fully charged the small LED shines green.
- If the LED shows at the end of charging some "flickering", simply remove module plug and switch the lamp ON/OFF. If the lantern is not yet completely charged, you can leave the module plugged. Once more sun is shining, the flickering will disappear automatically.
- If you only use the lamp occasionally you should recharge the lamp once in a month.

Please always keep your **lantern in the shade** in order to **prevent it from heat and rain**.

At empty batteries the red LED is blinking.

Recharging cell phones

The lantern's regular output can be used for recharging cell phones. Plug in the USB cable and add the adapter that fits to your cell phone.

Now switch the lantern ON. Afterwards the cell phone get charged and you can reduce the light or you can switch it off again. Keep the cell phone plugged to the lantern until it is completely charged. If the red-LED is flashing there is fault and the cell phone is not charged.

The cell phone adapters included in the package have been selected to fit to the most commonly used cell phones. Unfortunately, we cannot guarantee that every cell phone can be recharged by them.

1. Plug in the USB cable (left side).
2. Plug in the cell phone adapter and connect it to your cell phone.



Adapter

Further information

- The solar lantern can be recharged with a 2,5W solar module or with a **5V to 12V/350-450 mA** plug charger (optional accessory). Higher currents and voltages can damage the electrical parts. Recharging connector polarity :**internal =Plus, external= Minus**.
- The lamp interior is protected against rain. However, it is not completely waterproof. As a protection against water and dust, the two rubber flaps on the recharging sockets should be kept closed.
- Depending on sunshine and the use of position I, II or III, the lantern can furnish roomlight during 8 to 4 hours a day. On position I (15 %) the lantern can shine for about 20 hours.
- If the lantern stops shining less than 2 hours after having been completely recharged, the storage batteries might be dead. Please ask your local lamp salesman for the following spare part: **SO-LUX rechargeable battery pack:** 3,6V NiMh (3 x 1,2V Baby) / 3500 mAh.
- Please never throw away run down storage batteries but make sure they are disposed of in an environmentally acceptable way!
- Please only use a **crosshead screw-driver PZ1x80** for opening the lantern. Other screw-drivers would damage the screwhead.

Technical Data

Solar Lantern

highly efficient LED CREE Q5
brightness approx. 110 Lumen
battery: 3,6V NiMh (3 x 1,2V Baby)/3500 mAh

Solar Module

2,5W cSi:
maximum wattage (Pmpp) 2,5W
maximum working voltage (Vmpp) 6,0V
4 m cable with recharging plug 2,5mm

Size and Weight

lantern: height 200 mm; diameter 90 mm; 0,58 kg
module: 2,5W; 135 x 195 mm; 0,47 kg
total weight 1,3 kg including packaging