

# Operating Instructions

## Solar Cordlight 450 LED



These instructions relate **ONLY** to this product and contain important information for using the product for the first time. Please keep these instructions for later reference and should always accompany the product in the event of transference to a new user.

### Customer support:

If you have problems or questions regarding this product, simply contact us!

By phone: +49 9605-92206-0 Internet: [www.esotec.de](http://www.esotec.de)

By e-mail for ordering spare parts: [ersatzteil@esotec.de](mailto:ersatzteil@esotec.de)

By e-mail for questions: [technik@esotec.de](mailto:technik@esotec.de)

Manufacturer Art.-No.: 102164

### Battery take-back

- Batteries must not be discarded into domestic waste.
- The consumer is legally required to return batteries after use, e.g. to public collecting centers or to battery distributors.
- Contaminant-containing batteries are labeled with the sign "crossed-out trashcan" and one of the chemical symbols. Used batteries should be disposed environmentally friendly and should not be discarded into domestic waste. Your dealer is legally required to take back old batteries.



NiMh

### Rechargeable battery notes

- Rechargeable batteries should not be played with by children. Never leave rechargeable batteries lying around; they could be swallowed by children or pets.
- Rechargeable batteries must never be short-circuited, disassembled or thrown into fire. This leads to a danger of explosion!
- Leaking or damaged rechargeable batteries can cause chemical burns when they come into contact with skin. For this reason, please make use of suitable protective gloves.
- Rechargeable batteries should only be replaced by structurally identical rechargeable batteries from the same manufacturer. Normal batteries must not be used since these are not rechargeable.
- Make sure the rechargeable batteries are inserted with the correct polarity.
- For long periods of time of non-use (for example, storage), remove the inserted rechargeable batteries to avoid damages via the leaking rechargeable batteries.

### Disposal:

Dear customer, please cooperate in avoiding waste. When you intend to dispose of the product in future, please consider that it contains valuable raw materials suited for recycling.

Therefore, do not dispose it of with domestic waste but bring it to a collection point for the recycling of waste electrical and electronic equipment.

Thank you very much for your cooperation!



## 1. Introduction

Dear Customer, thank you for purchasing the solar light. With this solar light you purchased a product manufactured according to the current state of technology.

**This product fulfils all requirements of the valid European and national regulations. The conformity was proved. The relevant declarations and documentation are deposited with the manufacturer.**

To maintain this state and guarantee a safe operation, you as the user will have to follow this operating manual!

## 2. Safety Instructions



- In case of damages caused by not following this operating manual, the warranty rights will expire! We exclude liability for any consequential damages!
- We exclude liability for property or personal damages caused by inappropriate handling or not following the safety instructions.

- In these cases any guarantee rights will expire.

Due to safety and admission reasons (CE) it is not allowed to arbitrarily reconstruct and/or change the solar light.

Therefore, please keep to the operating manual.

The accident prevention rules of the association of the industrial trade cooperative association for electric plants and working material are to be considered in industrial environments.

## 3. Intended Use

This product is designed for use in private premises.

The string of lights is automatically switched on at darkness and switched out at morning light. By means of the slide switch on the back side of the solar module, it is possible to select between permanent and flashing light.

With a full accumulator, the maximum duration of illumination amounts to 10 hours. The crystalline solar module charges the built-in battery in sunshine. The chain of lights and the rope are suitable for year-round outdoor use. Normal rain or snow does not damage the rope and the light. However, too much moisture should be avoided, as this accelerates the aging process of the natural rope. Under no circumstances should the rope be left permanently in the water!

**Note:** Make sure that the solar module is always facing to the south and that shadows are avoided. The product may not be used if facing north. In the winter, it is required to keep the solar module free of snow. Due to the reduced solar radiation, the duration of illumination will be shorter in winter.

## 4. Putting into Operation

1. Remove the parts carefully from the packaging and lay out the rope.

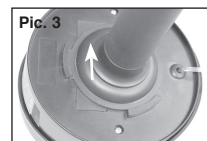
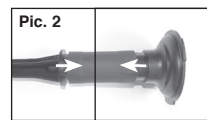
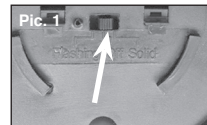
2. Now select the operating mode between continuous or flashing light with the switch ("Solid" = continuous light) installed in the underside of the solar module ("Flashing" = flashing light) (Pic. 1). For testing you can darken the solar module, the chain of lights then starts to light up in the set operating mode. In the "OFF" position, the light chain is switched off!

3. Now insert the earth spike and the holder into the plastic tube (Pic. 2). The receptacle is now inserted at the rear and fastened by turning it clockwise (Pic. 3).

4. Now insert the solar module with the earth spike into the earth in a sunny place.

**Note:** In position "OFF", the string of lights is switched off and the accumulator will not be charged.

**Note:** During the winter months please generally expect a shorter light on time. If the lamp should not shine on the first evening, please wait for a sunny day.



## 5. Exchange of the Accumulator

The capacity of the accumulator will decrease after one to two years and the accumulator has to be exchanged. The accumulator is available from your retailer or the manufacturer. Installed in this product is an AA-NiMh battery with 1.2 V/ 500 mAh.

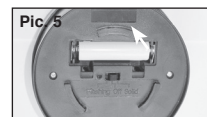
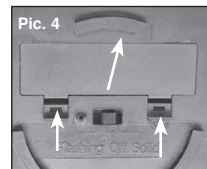
1. Turn the holder on the underside of the solar module counterclockwise and remove it with the earth spike together.

2. Slide the switch on the back of the solar module to the "OFF" position.

3. Push in the two locks of the battery compartment at the bottom of the solar module and remove the cover (Pic. 4).

4. Remove the used accumulator from the battery bracket and insert a new, freshly charged identical accumulator (Pic. 5).

5. Now close the housing in reverse order and reset the desired operating mode via the switch on the back side of the solar module (see point 4).



**Note:** Used batteries have to be disposed of in an environmentally sound way and do not belong into the household waste. Your dealer is required by law to take back your old batteries.

## 6. Malfunctions

### The lamp is not activated at darkness

- Is the lamp switched on?
- A source of extraneous light (e.g. street lamp) simulates daylight on the solar module and prevents its activation. Place the solar module at a darker place.

### The lamp is not switched on at darkness at all or only for a short time.

- Battery weak or defective. Exchange of the battery/accumulator at the latest after 2 years.

## 7. Technical Data

Capacity solar module:	2 V/ 120 mA crystalline
Illuminants:	60 x LEDs
Cord length:	approx. 4,5 m
Light color:	3000 K
Duration of illumination:	Max. 10 h with a fully charged accumulator
Battery pack:	1 x AA-NiMh 1.2 V/ 500 mAh
Protection class:	III
Protection type:	IP 44