

Operating instructions

Solar globe lights „Crackle Balls“



Customer support:

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

Monday to Friday 9 am to 12 noon and 1 pm to 4 pm.

By phone: +49 9605-92206-0

By e-mail for ordering spare parts: ersatzteil@esotec.de

By e-mail for questions about the product: technik@esotec.de

Product: Manufacturer Item No.: 102082

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.

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 and Function

The solar globe lights are designed for outdoor use. They have to be positioned in a shadow-free sunny place and they must not stand in the water. The globe lights are not crush resistant! Caution risk of injury! Normal rain can not damage the light. During the winter months, the light has to be switched off and stored inside during the winter.

ATTENTION: Due to the glass body, it is mandatory to ensure that the light is standing solidly. In doing so, please also pay attention to possibly upcoming winds. **Risk of injury** in case the glass should break!

The integrated rechargeable battery is charged by the solar cell inside the light. The light is automatically switched on at darkness and switched out at morning light. A powerful light emitting diode (LED) is used as illuminant.

During longer periods with insufficient insolation, the accumulator is charged insufficiently in order to ensure a permanent readiness for operation. **However, that does not mean that the solar light is defective.** Please wait for the next sunny days and the light will work accordingly or charge the accumulator with a standard charger.

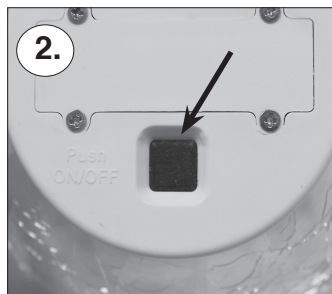
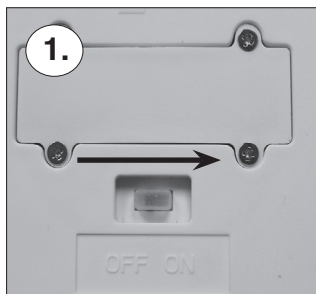
4. Putting into Operation

1. Please carefully take the light out of the package.
2. Move the switch at the bottom of the largest globe light in the position „ON“ (illustration 1).
3. Firmly push in the button on the two other globe lights (illustration 2).

The solar light is now activated and ready for use!

Note:

The duration of illumination is strongly dependent on the intensity and duration of sunshine during the day. On days with insufficient sun, the duration of illumination will generally be shorter. In case the light should not give light on the first evening, please wait for a sunny day or charge the batteries in a commercially available battery charger.

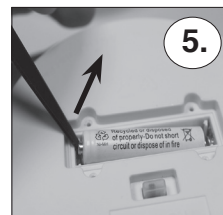
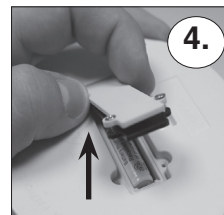
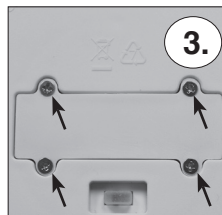


5. Exchange of the rechargeable battery

For solar lights, it is required to exchange the battery every 2 years on average. Please only insert an identical in construction battery with identical voltage and identical capacity. In case you should not get this capacity in a store you are also able to use batteries with a higher capacity.

1. Move the switch at the bottom of the large globe into the position „OFF“
2. Deeply push in the button at the bottom of the two other globe lights.
3. Unscrew the 4 screws on battery compartment at the bottom of the globes with a suitable screwdriver and remove the cover (illustration 3).
4. Remove the plastic gasket (illustration 4).
5. Remove the battery from the bracket and replace it by a new, freshly charged battery of identical size (illustration 5).
6. Now reinsert the gasket into the battery compartment and press the lid on firmly. Re-tighten the 4 screws with a suitable screwdriver.
7. Move the switch at the bottom of the large globe into the position „ON“
8. Firmly push in the switch of the two smaller globe lights.

Note: used batteries must be disposed of in an environmentally friendly manner and should not be placed in your household waste. Your dealer is obliged by law to take back the old rechargeable batteries.



6. Malfunctions

- **Lamp is not automatically switched on at darkness**
- An outside light source (e.g. streetlight) simulates daylight and prevents the lamp from switching on? Place the lamp at a darker location!
- **Lamp is not switched on at darkness or only for a short period of time.**
- Is the lamp connected?
- Accumulator weak or defective? Exchange of the accumulators.

7. Technical Data

- Solar module: 10 and 12 cm globe: crystalline 2 V/ 50 mA
15 cm globe: crystalline 2 V/ 80 mA
- Illuminant: 1 white light emitting diode (LED)
- Light temperature: 6500 K (cold-white)
- Battery: 10 and 12 cm globe: NiMH 1,2 V/300 mAh (Micro, AAA)
15 cm globe: NiMH 1,2V/600 mAh (Micro, AAA)
- Protection class: IP 44
- Type of protection: III
- Glow time: max. 6 h with a fully charged battery

Battery Recycling:

- Used batteries or accumulators must be disposed in the domestic waste.
- The consumer is legally obliged to bring back old accumulators upon usage, e.g. to public waste collecting locations or to the place (shops, etc.) where those batteries are sold.
- Batteries that contain harmful substances are marked with the "strike through dustbin" and one of the chemical symbols.



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.

Manufacturer/Importer:

esotec GmbH - Gewerbegebiet Weberschlag 9 - D-92729 Weiherhammer
Tel.-Nr: +49 9605-92206-0 - Fax.-Nr: +49 9605-92206-10 - Internet: www.esotec.de

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!

