

Instructions for Use

- for:
- LightS
- MobileAdapterS
- SolarPanelS
- PowerSupplyS
- CarAdapterS



Dear Customer,

Thank you for buying a product from EnC Energy & Comfort. We attach great importance in manufacturing products that do not only have a high value in usage and look good but that also stand out due to their robustness and longest possible useful life. However, alongside the design, the engineering, the materials and manufacturing, the usage plays a vital role as to how long your product will remain in working order. For this reason, these instructions for use describe the functions and provide advice on how you may prolong the useful life of your product.

Should defects nevertheless occur, all products have been engineered in a way that it is usually possible for us to repair them. Please contact our repair centre via our contacts on www.energycomfort.info.

We wish you much pleasure with your device.

Best regards,
EnC Energy & Comfort GmbH

SAFETY NOTE (please read carefully)

The lamp must only be charged with the EnC power unit and/or EnC solar module and/or EnC car adapter. No other power unit or solar module or car adapter must be used. Using other power units may cause damage including causing a potential fire! Do not burn the lamp or open the storage battery. Any contact with gases or liquids from the storage battery must be avoided at all costs! Accessories of the lamp contain small parts. Keep away from small children!



1. General Information

Please take note of the following general information:

- Please handle the lamp with care, do not open it without expert supervision and do not drop it.
- Do not immerse the lamp into any liquids, protect it from the presence of water and other liquids, including vapours.
- Do not expose it to sunlight for a long period of time and protect it from temperatures exceeding 60°C / 140°F and falling below -5°C / 23°F. Very high and very low temperatures have an adverse effect on the useful life and the capacity of the rechargeable battery. Where possible, please store the lamp at a cool location. Do not expose it to direct sunlight.
- Before using it for the first time, fully charge it by means of the charger (connect it to the mains for approx. 20 hours, cf. Chapter 6) if possible. **Crank at least for 10 min. every other month or fully charge it by an external source (power unit – 15 hours, solar panel – 12 hours, car adapter – 12 hours).** The performance of the rechargeable battery is hereby significantly increased, also with regard to crank

operation.

- To achieve the longest possible useful life for your lamp, it is recommended that it be switched off if sufficient light is no longer emitted.
- In general, the crank has a stable construction, but should not be loaded with any excessive weight.
- If possible, protect the lamp against dust, in particular fine dusts, metal splinters and sand.
- It should be cleaned with a damp cloth. No solvent agent or similar must be used for cleaning.

2. Overview of the lamp

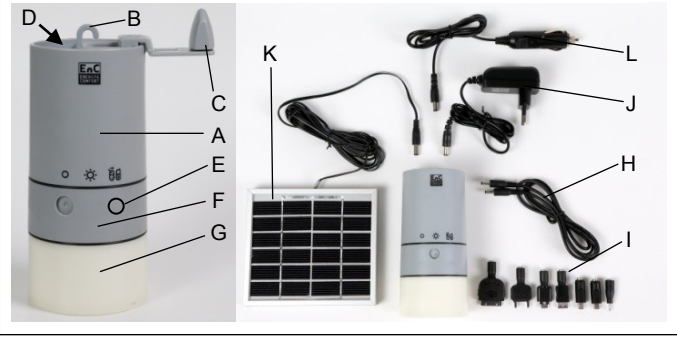
Lamp parts:

A	–	Lamp housing
B	–	Hook
C	–	Crank
D	–	Socket for mains charging
(and optional: solar charging		
E	–	Socket for mobile phone
charging		
F	–	Shift ring
G	–	Lampshade

Optional Accessories:

H	–	Charger cable for mobile
I	–	Mobile phone adaptor
J	–	Power supply unit
K	–	Solar panel
L	–	Car Adapter

Fig. 1: Lamp components and accessory



3. Using the lamp function

The lamp may be used hanging or in two standing positions. To hang the lamp, remove the integrated hook B (cf. Fig. 2). The hanging and standing positions are shown in Fig. 3.

Fig. 2: Removal of the hook



Fig. 3: Lamp hanging and in standing positions



4. Switching functions

By holding the lamp housing A with one hand and turning the shift ring F, the lamp may be set into three different switch positions:



The lamp may be charged whilst being switched on or switched off by means of a crank (cf. Chapter 5), a power unit (optional) (cf. Chapter 6), a solar panel (optional) (cf. Chapter 7) or a car adapter (optional) (cf. Chapter 8). When charging a mobile phone (cf. Chapter 9), the lamp automatically switches off at all times.

5. Charging the lamp by means of a crank

To charge the lamp by means of the crank, Crank C has to be removed from the lamp housing A (cf. Fig. 4). The crank may now be turned at any speed and in any direction by hand. The direction of rotation may be changed at any time. Three (3) minutes of turning the crank at a speed of 120 revolutions per minute result in approx. 50 min. of illumination. Should the lamp be fully charged by means of a power unit from time to time (cf Chapter 6), the illumination period may be increased up to 1.5 hours after 3 minutes of turning the crank.

Fig. 4: Crank



6. Charging the lamp by means of a power unit (optional)

Where required, turn the Crank C until the socket is free for mains charging/solar charging/car battery charging (cf. Fig.5).

Fig. 5: Charging socket for External power supply

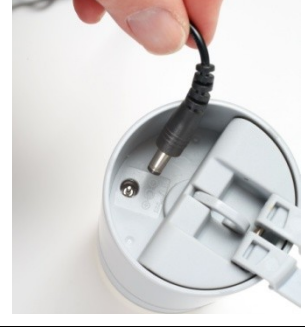


Fig. 6: Power unit plugged into lamp



Connect the plug of the power unit H (cf. Fig. 6) into the socket. Plug the power unit H into a socket. The power unit may be operated at a voltage of between 110 V and 230 V and at a mains frequency of between 50 Hz and 60 Hz. If possible, do not charge the lamp any longer than 20 hours before reusing it. The lamp may also be used whilst being charged. The charging process may be interrupted at any time and the lamp may again be used. During the charging process, the lamp emits a weak light to control charging. This is the charging control and shows you that the lamp is actually being charged.

7. Charging the lamp by means of a solar panel (optional)

Where required, turn the Crank C until the socket is free for charging (cf. Fig. 5). Connect the plug of the solar panel K into the socket (cf. Fig. 7). The lamp may also be used whilst charging (e.g. solar panel outside the room in the sun, lamp inside the room). The charging process may be interrupted at

Fig. 7: Solar panel plugged into lamp



Fig. 8: Car adapter plugged into lamp



any time and the lamp may again be used. It is important that the solar panel is fully exposed to sunlight when possible, as even partial shading will considerably reduce the performance of the panel.

8. Charging the lamp by means of a car adapter (optional)

Where required, turn the Crank C until the socket is free for charging (cf. Fig. 5). Connect the plug of the car adapter L into the socket (cf. Fig 8). The car adapter than has to be plugged into the cigarette lighter of the car. The charging process may be interrupted at any time and the lamp may again be used.

9. Charging of a mobile phone by means of the crank (optional)

Set the switch position of the shift ring F to charging (cf. Chapter 4 and Fig. 9). Plug the charger cable H for the mobile phone into the charging socket. Where required, put the adaptor I on the charger cable for the mobile phone and connect the mobile

phone to the adapter/the cable (cf. Fig. 10). Completely switch off the mobile phone. Charge the mobile phone by turning the crank as described in Chapter 5. Turn the crank quickly. If the resistance increases, the mobile phone will recognise the charging process and power will run into the mobile phone.

Fig. 9: Charging socket for charging a mobile phone



Fig. 10: Mobile phone plugged into lamp



10. Contact



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