

fosera SCANDLE

Brilliant Solar Lanterns with extremely long lifespan

- at fair prices



Innovative Features:

- Innovative Li-Battery-Technology (High Lifespan, high cycle life, no sulphation)
- Can be combined with fosera PSHS Solar Home System by plug&play connection: you can charge it with a small separate PV module or with your pSHS
- Portable and versatile
- Robust design allows multiple ways of usage with just one device: as hanging lamp, wall lamp, ceiling lamp, ambience light, or portable torch for long outings
- Ultra efficient, longlife LED lights
- Crystalline cell technology (20+ years lifespan)
- Can power your Radio or charge your cell phone (scandle 160)
- After each full charging in the sun, the battery lasts up to 70 hours in dimmed mode!
- German Engineering

fosera has developed a new kind of solar lantern which combines extremely high quality and several innovative features at a very reasonable cost.

Modern battery technology

The fosera SCANDLE is using a robust LiFePO battery to store the solar power. This high-end battery technology offers very high cycle life and allows using the battery over many, many years. Most solar home systems and solar lanterns use lead acid batteries. These systems suffer from lifespan-limiting sulphation. The fosera battery technology does not show any such sulphation and it can be stored for a long time at a low state of charge (for instance on the way from our factory to a client) without any damage (many solar lanterns are harmed by the typically long times they take to reach the end users).

An intelligent charge management protects the battery further from any harmful condition.

fosera has a unique, modular design principle. Your fosera SCANDLE can be used and combined with any other fosera PSHS or SCANDLE.

Multiple Applications

Currently there are many different lamps, a phone charger and a radio available.



Easy to install

fosera allows fast, plug and play installation. It is very easy to connect the solar module to your SCANDLE and the design of the plugs does not allow wrong connections. The SCANDLE can be used as portable lamp, it can be put on the table as a desk light or it can be fixed at the wall or hung up at the ceiling. It is not necessary to have any special education or skills to use your fosera SCANDLE.

Ultra efficient fosera light

fosera uses the latest LED technology which offers very bright light and extremely long lifespans.

The fosera SCANDLE solar lanterns are available in 3 sizes: with 20, 60 - and 160lm!



Technical Data

	fosera scandle 25	fosera scandle 75	fosera scandle 200
System Voltage	3.25V	3.25V	3.25V
System Capacity @ C10	400mAh	800mAh	1400mAh
Illuminance (bright mode)	20-25lm	50-60lm	140-160lm
Operation hours* (bright mode)	10h	5h	4h
Daily operat. hours (bright mode)	5h	4h	4h
Operation hours (dimmed mode**)	20h	40h	70h
Module Peak Power	0.3 W	0.5 W	1.5 W
Module Current	80mA	140mA	400mA
Radio possible	Yes	Yes	Yes
Phone Charger	No	No	@daytime

*operation hours with full battery (solar module charged outside for several hours during daytime)

** dimmed mode is 8 lm - sufficient for low light uses