

mobile One

Portable Solar Torch

3.25V Pico Solar Home System

Charged from LSHS, PSHS, Laptop USB or Solar Panel



The Fosera mobile One has the power capacity of a solar home system and the flexibility of a portable torch.

Powerful torch

The mobile One can be charged using the 2.5Wp solar panel or from your laptop or any other USB port, such as the ones in LSHS and PSHS battery boxes. The battery stores enough power to charge a mobile phone through its own USB port. An additional load output expands mobile One's functionality by allowing the connection of different applications, such as a radio or an additional lamp. It lasts up to 60 hours on a full day charge.



Fosera mobile One	
System voltage	3.25 V
System capacity	3.2 Ah
Illuminance (Mode 1)	16 lm
Illuminance (Mode 2)	88 lm
Illuminance (Mode 3)	200 lm
Weight	0.173 kg
Dimensions	13.5 x 6 x 6 cm
Operation time	
Operation runtime (Mode 1)	60 hrs
Operation runtime (Mode 2)	10 hrs
Operation runtime (Mode 3)	5 hrs
Charge controller features	
Deep discharge protection	Yes
Over charge protection	Yes
Short circuit protection	Yes
Overcurrent protection	Yes
Charge recommendations	
Recommended charge current	0.58 A
Maximum charge current	2.20 A
Recommended solar module	2.5 Wp

Modern battery technology and high quality components

Fosera uses LiFePO₄-batteries, highly efficient and resistant to capacity losses, allowing the systems to provide up to 10 years of maintenance-free lifespan. This outstanding quality allows us to offer the longest warranty in the market, 3 years. All Fosera appliances are extremely efficient, with LED lights supplying up to 135 lm/W, and with a lifetime of more than 50.000 hours.

Robust design

The 3 step switch adjusts the brightness of the mobile One for versatile use and extended lighting hours. A low-battery mode ensures sustained illumination when battery is almost empty. Its unique 3 cornered design makes it very stable, and the hole at the base enables it to be hanged as a ceiling lamp.

The flaps protect against splashing water and dirt.

Torch includes state of charge indicator.



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