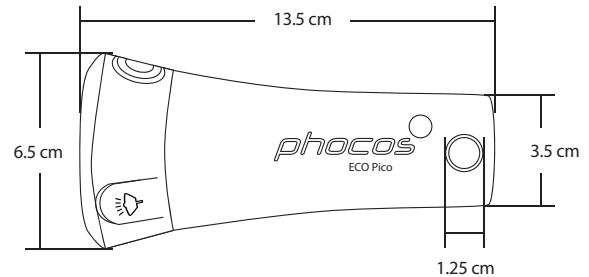




Technical Drawing



Product Introduction

The ECO Pico has the power capacity of a solar home system and the flexibility of a portable LED torch flashlight. It uses a highly efficient LiFePO4 battery that is particularly long-lasting, allowing the system to provide up to 10 years of maintenance-free operation.

The ECO Pico is extremely efficient, with an LED light supplying up to 135 lm/W. This product has a potential lifespan of 50,000+ hours. Additional load outputs offer the flexibility to connect loads, such as a mobile device, a radio or a small additional lamp. This German-engineered, high quality product offers many years of trouble-free reliability.

Product Features

- Option for 16-200 lumen output
- Compact and portable
- Deep-discharge, overcharge, short circuit and overcurrent protection
- 3 step brightness switch
- Low-battery mode
- Doubles as a ceiling lamp
- Battery state of charge indicator
- Can be charged with a 2.5 Wp solar panel or laptop power supply
- Lasts up to 60 hours on a full day charge (Mode 1)
- USB charging port transforms the ECO Pico into a Powerbank
- IP54 Ingress Protection

Accessories Included in Kits

- ECO Pico torch flashlight (1 pc)
- Lanyard (1 pc)
- 2.5 Wp solar panel (1 pc)
- USB cable (1 pc)

Technical Data

| Type | ECO Pico |
|----------------------------|------------------------------|
| System Voltage | 3.25 V |
| Max. Charge Current | 2.20 A |
| PV Panel Charge Current | 0.58 A |
| Battery Capacity | 3.2 Ah |
| Illuminance (Mode 1) | 16 lm |
| Illuminance (Mode 2) | 88 lm |
| Illuminance (Mode 3) | 200 lm |
| Operation Runtime (Mode 1) | 60 h |
| Operation Runtime (Mode 2) | 10 h |
| Operation Runtime (Mode 3) | 5 h |
| Output Voltage Range | 2.8 - 3.6 V, 2 |
| PV Panel Power | 2.5 Wp |
| PV Panel Voltage | 4.5 Vmp, 5.5 Voc |
| Ambient Temperature | 0 to +50 °C |
| Max. Altitude | 4,000 m above sea level |
| USB Charging Port | 5 V +/- 10 %, 500 mA |
| Dimensions | 13.5 x 6.5 cm / 5.3 x 2.6 in |
| Weight | 0.17 kg / 0.38 lb |
| Pollution degree | 4 |
| Ingress Protection | IP54 |
| Certificates | CE compliant, RoHS compliant |
| Warranty | 2 years |