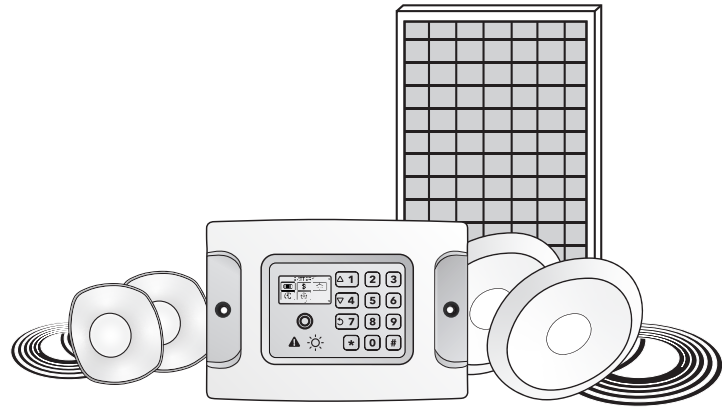


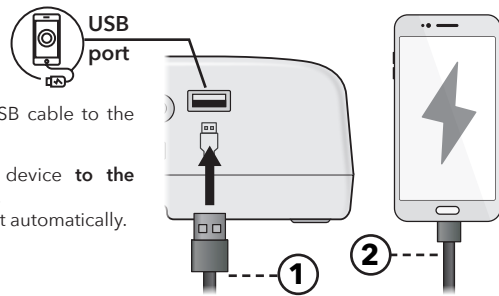
fosera FLASH40



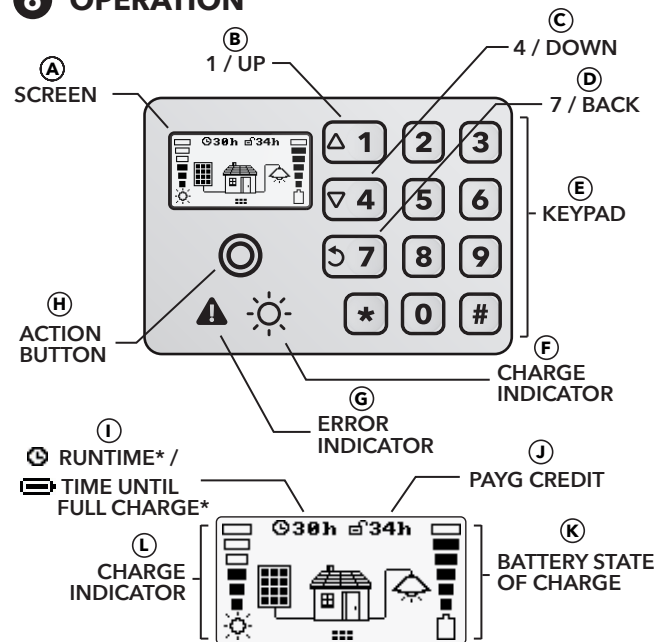
User Manual
Benutzerhandbuch
Manuel d'utilisation
Manual de usuario

5 USB

- Connect the USB cable to the USB port.
- Connect your device to the charging cable. Charge will start automatically.

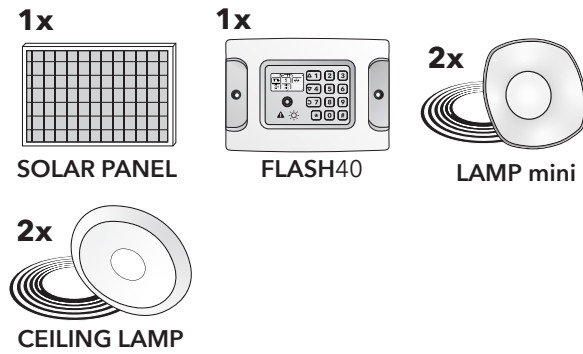


6 OPERATION

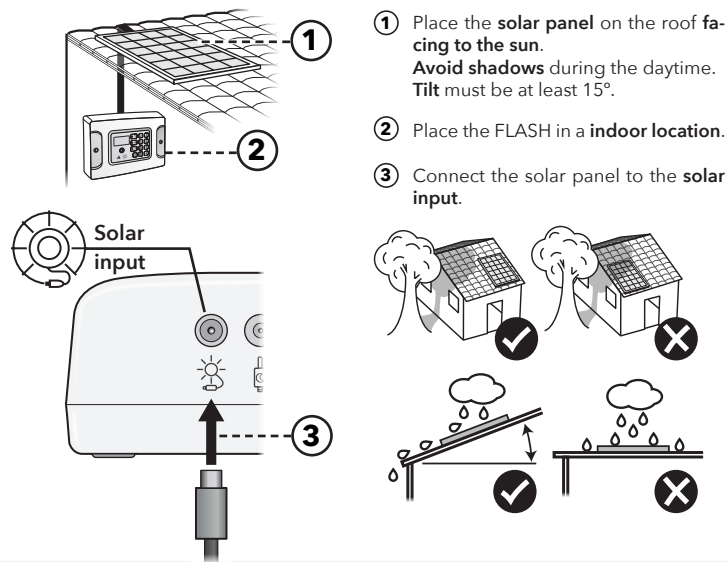


*The runtime and the time to full charge are calculated based on real-time consumption and generation and on the assumption that they do not vary over time.

1 Content of the box



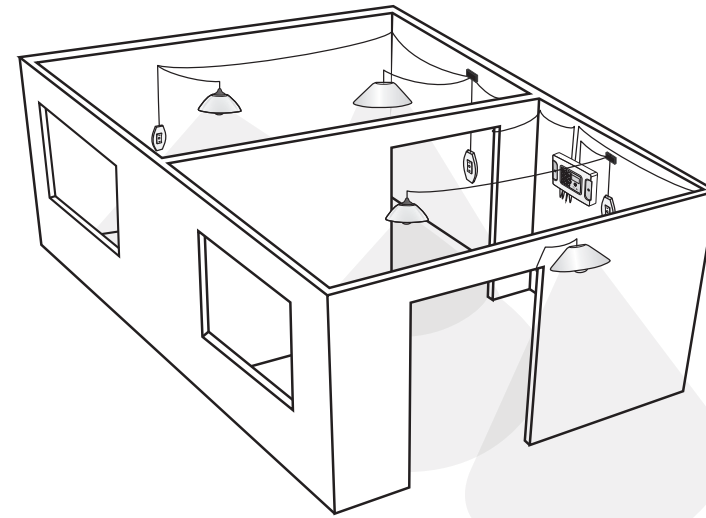
2 Installation



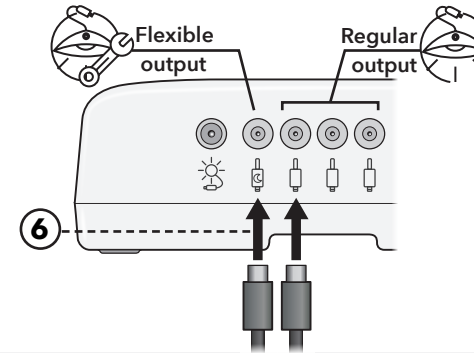
- Place the solar panel on the roof facing to the sun. Avoid shadows during the daytime. Tilt must be at least 15°.
- Place the FLASH in a indoor location.
- Connect the solar panel to the solar input.

4 Look for a location for the lamps

Tip: The Ceiling LAMP can be placed in the entrance with the Night light function, so that it will remain on all night

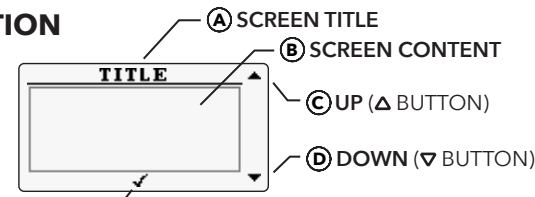


- Hang and mount the FLASH on the wall and the Lamps in their suitable place.
- Connect the lamps to the output ports.



7 NAVIGATION

All screens except the home screen have a similar structure. Use the following controls to navigate:



E ACTION (⊙) BUTTON

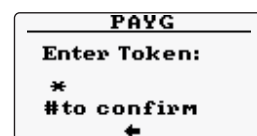
- Main menu
- Confirm
- Return
- Delete last element

8 MAIN MENU

- BATTERY**
Displays detailed battery status and runtime information.
- PAYG**
Provides information related to PAYG credit.
- DATALOGGER**
Displays charge intensity and power consumption in real time and over the last 7 days.
- ABOUT**
Displays relevant information about the device.
- SETTINGS**
Configure certain parameters.

9 PAYG

- Press ⊙ in any screen to start typing a token.
- Type the Token with the Keypad.
- Press # after entering a token to validate it.



10 DATALOGGER

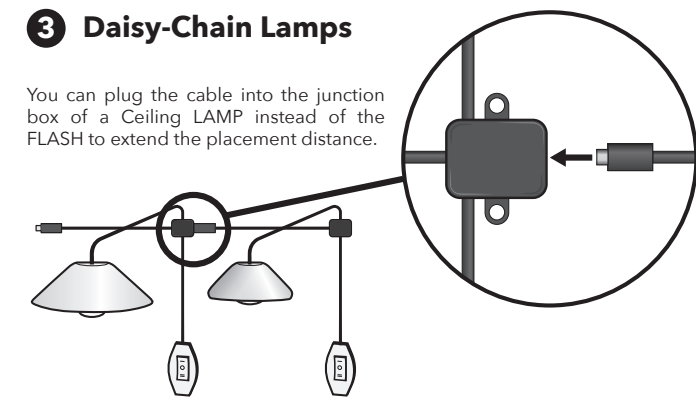
- REAL-TIME VIEW**
Displays real-time throughput for solar input, outputs and USB port. A full bar represents the maximum admissible power threshold.
- 2-4. LAST 24 HOURS**
Displays solar input and outputs throughput and battery state of charge over the last 24h.
- 5-7. HISTORICAL DATA**
Displays solar input and outputs throughput from 7 to 1 day ago and battery state of charge from 4 to 1 day ago.
- BATTERY HEALTH**
Displays the total energy consumed and battery cycles performed. Helpful to check the condition of the battery.

11 ERRORS

- ERROR NAME**
Example: LOW SOC, PLEASE CHARGE BATTERY
- INSTRUCTIONS**

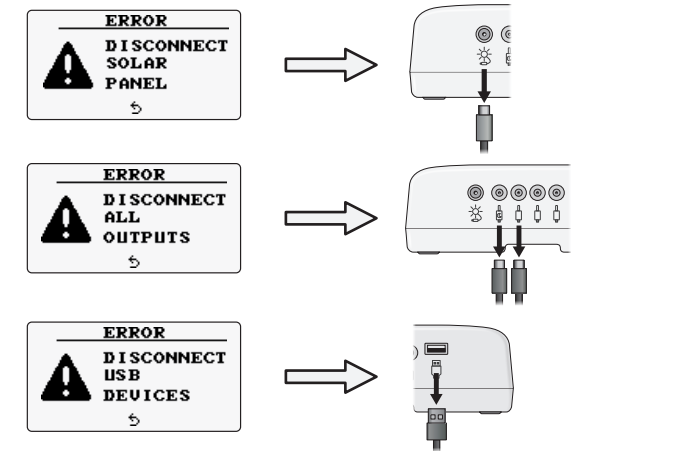
3 Daisy-Chain Lamps

You can plug the cable into the junction box of a Ceiling LAMP instead of the FLASH to extend the placement distance.

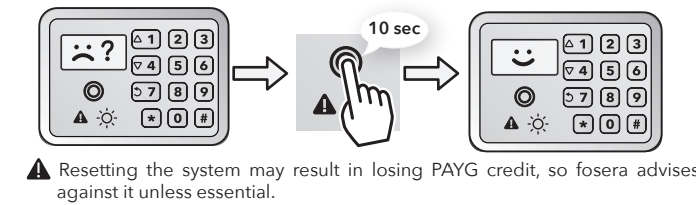


4 Flexible output

- Configure the output by navigating: Main menu > Settings > Config. out.
- Normal mode**
Acts like a normal outlet.
 - Night light**
Switches on when the solar panel is no longer receiving energy. Useful as a security light.
 - Low priority**
Switches off when the battery is low. Useful to save energy.
 - Excess energy**
Switches on when full of battery. Useful for harnessing excess energy.



12 TROUBLE?



Resetting the system may result in losing PAYG credit, so fosera advises against it unless essential.

13 SPECS

BATTERY BOX	SOLAR PANEL	Ceiling LAMP 200	LAMP mini 150
LiFePO4 Battery	15 Wp nominal Power	1.56 W nominal power	1.04 W nominal power
12.8 V nominal voltage	22.5 V _{OC}	200 lm	150 lm
3.2 Ah capacity	0.86 A _{SC}	Daisy Chain	

