



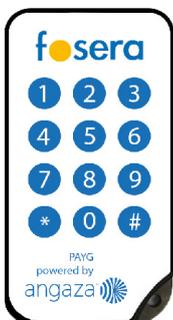
The Fosera PSHS is an autonomous pico solar home system, designed to power multiple lights and a radio. One built-in USB port enables universal charging of mobile phones and MP3-players. All Fosera torches can be as well charged by the PSHS. Definitely the right choice when providing economic rural electrification.

### Easy to install

Fosera systems allow easiest Plug & Play installation. No technical skills or special training are required. Solar modules, loads or extensions can be connected intuitively with no hazard to the system or to people.

### Modern battery technology and high quality components

Fosera uses LiFePO<sub>4</sub>-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.



### Integration of PAYG technology

PAYG (Pay-As-You-Go) is a technology which helps overcome the upfront price barrier of solar home systems by enabling users to divide the price into affordable amounts over time. PAYG software companies such as Angaza and Lumeter provide distributors with a user-friendly interface to manage and track payments, expanding the market to the lowest incomes and thus increasing sales volume. Fosera works closely together with these companies, integrating their technology in our solar home systems and allowing communication with the final user through LED lights.



## Design your own system configuration

You are not sure which capacity to choose? Get in touch with our sales team, which will be glad to walk you through the different considerations to take in order to size the most suitable configuration for your project. Try out different light configurations and find out their battery run-times.

## Easy scalability

Fosera battery boxes are the first solar home systems designed to grow with increasing user demand. As energy demand grows, so does the system, which can be interconnected with as many as 3 other battery boxes in one big system.



|                               | Fosera PSHS 3000    | Fosera PSHS 4500  | Fosera PSHS 7500  |
|-------------------------------|---------------------|-------------------|-------------------|
| Nominal system voltage        | 3.25 V              |                   |                   |
| System capacity               | 3 Ah                | 4.5 Ah            | 7.5 Ah            |
| Weight                        | 0.325 kg            | 0.365 kg          | 0.46 kg           |
| Dimensions                    | 192 x 131 x 45 mm   |                   |                   |
| Max. no. of loads             | 1x USB              |                   |                   |
| USB outlet                    | USB 500 mA output   |                   |                   |
| <b>Solar module</b>           |                     |                   |                   |
| Recommended module peak power | 1.5 Wp              | 2.5 Wp            | 6.0 Wp            |
| Module current                | 0.34 A              | 0.58 A            | 1.33 A            |
| Module technology             | crystalline silicon |                   |                   |
| Cable length panel to box     | 6 m                 |                   |                   |
| Module dimensions             | 150 x 192 x 17 mm   | 150 x 192 x 17 mm | 270 x 192 x 17 mm |
| Module weight                 | 0.55 kg             | 0.55 kg           | 0.8 kg            |
| <b>Operation time</b>         |                     |                   |                   |
| Suggested lamp configuration  | 1 x Lamp 100 lm     | 1 x Lamp 200 lm   | 1 x Lamp 200 lm   |
| Full battery runtime          | 13:10 hrs           | 9:20 hrs          | 15:40 hrs         |
| Solar runtime                 | 6:40 hrs            | 5:25 hrs          | 13:50 hrs         |