

## fosera® LSHS



POWERFUL, HIGH QUALITY SOLAR HOME SYSTEM



MULTIPLE APPLIANCES AVAILABLE, LIKE LAMPS, TV OR FAN



UP TO 134 Wh STORAGE AND 50 Wp OF SOLAR POWER

The Fosera LSHS is an autonomous solar home system which is designed for enhanced electrification and capable of powering not only multiple lights but any efficient appliance as well, like a TV or a fan.



### EASY TO INSTALL

Fosera systems allow easiest Plug & Play installation. No technical skills or special training are required.



### MODERN BATTERY TECHNOLOGY

Highly efficient and resistant to capacity losses, allowing the systems to provide up to 10 years of maintenance-free lifespan.



### INTEGRATION OF PAYG TECHNOLOGY

PAYG software companies such as Angaza, Solaris and Lumeter provide distributors with a user-friendly interface to manage and track payments.



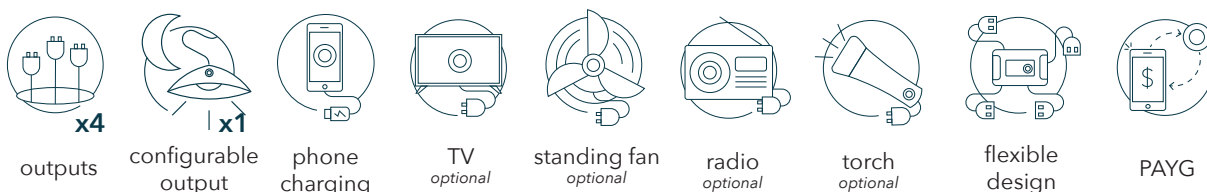
### EASY SCALABILITY

As energy demand grows, so does the system, which can be interconnected with as many as 3 other battery boxes in one big joint system.

Two built-in USB ports enable universal charging of mobile phones. All Fosera torches can be as well charged by the LSHS.



## fosera® LSHS



### TECHNICAL SPECIFICATIONS

| fosera® LSHS                    | 3000   | 4500 | 7500 | 10500 | units |
|---------------------------------|--|------|------|-------|-------|
| Nominal System Voltage          | 12.8   |      |      |       | V     |
| System capacity                 | 3  | 4.5  | 7.5  | 10.5  | Ah    |
| Energy capacity                 | 38.4   | 57.6 | 96.0 | 134.4 | Wh    |
| Battery type                    | LiFePO4  |      |      |       |       |
| Protection features             | Overcharge, deep discharge, overcurrent, short circuit |      |      |       |       |
| Appliance outlets               | 3x 3A regular<br>1x 3A configurable                    |      |      |       |       |
| Appliance outlets total current | 6.0  |      |      |       | A     |
| USB outputs                     | 2x 1A USB  |      |      |       |       |
| Max. input current              | 1.5  | 2.25 | 3.0  |       | A     |
| Weight                          | 0.72   | 0.89 | 1.28 | 1.56  | kg    |
| Dimensions                      | 240 x 150 x 60   |      |      |       | mm    |
| PAYG (optional)                 | PAYG Available   |      |      |       |       |

### RECOMMENDED SOLAR PANEL

|                           |                         |                |                |                |    |
|---------------------------|-------------------------|----------------|----------------|----------------|----|
| Module peak power         | 10                      | 15             | 25             | 35             | Wp |
| Module current            | 0.59                    | 0.80           | 1.33           | 1.85           | A  |
| Module technology         | Polycrystalline silicon |                |                |                |    |
| Cable length panel to box | 6.0                     |                |                |                | m  |
| Module dimensions         | 364 x 263 x 17          | 360 x 340 x 17 | 540 x 340 x 17 | 669 x 380 x 25 | mm |
| Module weight             | 1.08                    | 1.52           | 2.11           | 3.10           | kg |

### OPERATION TIME

|                              |              |              |              |              |     |
|------------------------------|--------------|--------------|--------------|--------------|-----|
| Suggested lamp configuration | 2 x Lamp 100 | 3 x Lamp 100 | 4 x Lamp 100 | 4 x Lamp 100 |     |
| Full battery runtime*        | 24:30        | 24:30        | 30:45        | 43:00        | hrs |
| Solar runtime*               | 21:30        | 19:30        | 24:30        | 34:00        | hrs |

\*additional phone charging will reduce the runtime