

# fosera® SPARK

2 LIGHTS & USB FOR PHONE CHARGING  
PAYG ENABLED WITH INTEGRATED KEYPAD  
SIMPLE AND POWERFUL



lights



phone  
charging



PAYG

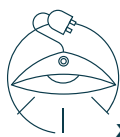


radio  
*\*optional*

The **fosera® SPARK** is the perfect entry level solar home system, designed to be cost effective and ultra-efficient while maintaining the same high quality standards that **fosera.** is known for.



## MAIN FEATURES



### SUPERIOR BATTERY RUNTIME

Charge more phones and have longer hours of light



### QUALITY

Outstanding quality allowing us to offer the longest warranty in the market: 3 years.



### HIGHLY EFFICIENT BATTERY

**fosera.** uses LiFePO4-batteries, highly efficient and resistant to capacity losses



### SUPERIOR BATTERY PROTECTION

Short-circuit, over-current and ESD protection, providing a maintenance-free lifespan of up to 10 years



### PAYG WITH SOLID ANTI- TAMPERING MEASURES

Prevention from unlocking PAYG, anti-theft screws, warranty seal



| fosera® SPARK          | 10   | 20    | 30    | units |
|------------------------|--|-------|-------|-------|
| Nominal System Voltage | 3.2  |       |       | V     |
| System capacity        | 3.8  | 7.6   | 11.4  | Ah    |
| Energy capacity        | 12.16  | 24.32 | 36.48 | Wh    |
| Battery type           | LiFePO4  |       |       |       |
| Protection features    | Overcharge, overcurrent, deep discharge, short circuit |       |       |       |
| Appliance outlets      | 2x Regular outlets max. 3A                             |       |       |       |
| USB outputs            | 1x 1A USB output                                       |       |       |       |
| Input                  | 1x Solar input max. 2.75A                              |       |       |       |
| Weight                 | 216  | 302   | 338   | g     |
| Dimensions             | 130 x 95 x 51  |       |       | mm    |
| PAYG (optional)        | PAYG enabled   |       |       |       |

## SOLAR PANEL

|                           |                         |            |            |    |
|---------------------------|-------------------------|------------|------------|----|
| Module peak power         | 4                       | 6          | 10         | Wp |
| Module current (Impp)     | 0.90                    | 1.33       | 1.90       | A  |
| Module technology         | Polycrystalline silicon |            |            |    |
| Cable length panel to box | 6                       |            |            | m  |
| Module dimensions         | 180x180x15              | 270x192x17 | 340x230x17 | mm |
| Module weight             | 580                     | 200        | 1250       | g  |

## LAMP MINI

100

150

|              |      |      |    |
|--------------|------|------|----|
| Brightness   | 100  | 150  | lm |
| Power        | 0.76 | 1.14 | W  |
| Cable length | 6    | 6    | m  |

## OPERATION TIME

|   |          |           |           |  |
|---|----------|-----------|-----------|--|
| Solar runtime*<br>With 2x Lamp mini 100 at 100% | 6:30 hrs | 11:20 hrs | 16:15 hrs |  |
| Solar runtime*<br>With 2x Lamp mini 150 at 100% | 4:20 hrs | 7:30 hrs  | 10:50 hrs |  |

\*additional phone charging will reduce the runtime

