

Fosera SPARK

3.25 V Pico Solar Home System
Two lights and USB charging
PAYG integrated keypad



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.

Advanced features

The Fosera SPARK comes with two dimmable lights and a USB charging port. The user is never left in the darkness thanks to a low energy mode that turns off the USB and brightest light setting to save battery. A solar charge indicator shows how much current is coming from the PV panel allowing easy optimization and fault finding. An integrated PAYG keypad makes it easy to check and top up credit.

Easy to install

Fosera systems allow easy 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 LiFePO₄-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 140 lm/W, and with a LED lifetime of up to 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.

The Fosera SPARK comes with an integrated PAYG keypad. PAYG software companies provide distributors with a user-friendly interface to manage and track payments, expanding the market to the lowest incomes and thus increasing sales.

Fosera works closely with these companies, integrating their technology in our solar home systems and allowing communication with the final user through LED lights.

	Fosera SPARK 10	Fosera SPARK 20	Fosera SPARK 30
Nominal system voltage	3.2 V		
System capacity	3.8 Ah	7.6 Ah	11.4 Ah
Energy capacity	12.16 Wh	24.32 Wh	36.48 Wh
Weight	216 g	302 g	388 g
Dimensions	130 x 95 x 51 mm		
Max. no. of loads	2 x Fosera lamp mini 100, 1 x USB		
Solar module			
Solar panel	4 Wp	6 Wp	10 Wp
Module current	0.9 A	1.33 A	1.9 A
Module technology	crystalline silicon		
Cable length panel to box	6 m		
Module dimensions	180 x 180 x 15 mm	270 x 192 x 17 mm	340 x 230 x 17 mm
Weight	0.58 kg	0.8 kg	1.25 kg
Operation time			
Full battery runtime* 2x Lamp 100%	7 hrs	14 hrs	21.15 hrs
Solar runtime* 2x Lamp 100%	7 hrs	12.30 hrs	17.45 hrs

*additional phone charging will reduce the runtime



Engineered in
Germany

