



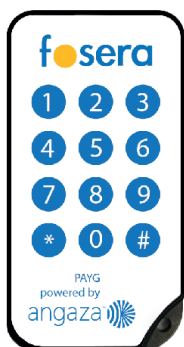
The Fosera LSHS is an autonomous solar home system which is designed for enhanced electrification and capable of powering not only multiple lights but any efficient appliance as well, like a TV or a fan. Two built-in USB ports enable universal charging of mobile phones. All Fosera torches can be as well charged by the LSHS.

**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 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. 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 runtimes.



### 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 joint system.

	LSHS 1500	LSHS 3000	LSHS 4500	LSHS 7500	LSHS 10500
Nominal system voltage	13 V				
System capacity	1.5 Ah	3 Ah	4.5 Ah	7.5 Ah	10.5 Ah
Weight	0.563 kg	0.722 kg	0.89 kg	1.282 kg	1.564 kg
Dimensions	60 x 150 x 240 mm				
Max no. of loads	4 + 2 x USB				
USB outlet	2 x USB with combined 2A ± 10% output				
Solar module					
Recommended module peak power	7 Wp	10 Wp	15 Wp	25 Wp	35 Wp
Module current	0.37 A	0.37 A	0.80 A	1.33 A	1.85 A
Module technology	Crystalline silicon				
Cable length panel to box	6 m				
Module dimensions	357 x 196 x 17 mm	357 x 196 x 17 mm	360 x 340 x 17 mm	540 x 340 x 17 mm	669 x 380 x 25 mm
Module weight	1 kg	1 kg	1.52 kg	2.11 kg	3.1 kg
Operation time					
Suggested lamp configuration	2 x Lamp 100 lm	2 x Lamp 100 lm	3 x Lamp 100 lm	4 x Lamp 100 lm	4 x Lamp 100 lm
Full battery runtime	12:15 hrs	24:00 hrs	24:35 hrs	30:40 hrs	43 hrs
Solar runtime	15:15 hrs	21:40 hrs	21:50 hrs	27:15 hrs	37:50 hrs



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