

# PSHS

Easy extension  
Easy to install  
Modern battery technology



## fosera BLUE LINE PSHS

fosera PSHS is an autonomous energy system, designed for rural electrification. Several lamps, a phone charger, and a radio are currently available. The built-in USB-port transforms the PSHS in a charging station for many kind of devices, such as mobile phones or MP3-players. Fosera engineers are constantly expanding the product range.

### Easy extension

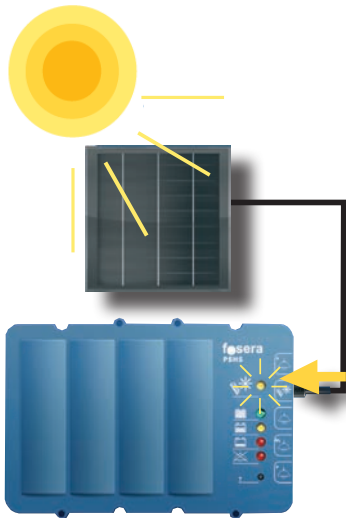
fosera systems are the first solar energy systems that can grow with increasing demand: up to four different loads at once can be connected, if the energy demand grows, another fosera system can be connected, by simply adding a second battery box. Up to four systems will work perfectly synchronized.

### 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 by only one cable.

### High quality components

fosera only uses high quality components in its products to ensure a long and maintenance free product lifetime. The used LiFePO4-battery has a lifetime of up to 10 years, which is up to 6 times longer than lead-acid batteries. The LED as well has a lifetime of more than 50.000 hrs without any significant reduction in brightness.



With production plants in Thailand, Mozambique, Kenya, Ethiopia and India and several 100,000 systems sold, fosera delivers high quality, durable products adapted to the needs in under-electrified regions of the world.



Engineered in  
Germany



	fosera PSHS 2800	fosera PSHS 4200	fosera PSHS 7000	Solar charging station
System voltage	3.25 V	3.25 V	3.25 V	3.25 V
System capacity	3 Ah	4.5 Ah	7.5 Ah	7.5 Ah
Module peak power	1.5 Wp	2.5 Wp	6.0 Wp	6.0 Wp
Module current	0.34 A	0.58 A	1.33 A	1.33 A
Module technology	crystalline silicon			
Cable length panel to box	6 m			
Cable length box to lamp	6 m incl. switch			
Max. no. of loads	4 + USB			4 + 2 USB
USB outlet	USB 500 mA output			2* USB 500 mA output
Weight	0.39 kg	0.41 kg	0.50 kg	0.45 kg
Dimensions	22x22.4x15 cm		36.6x22.4x15 cm	
<b>Operation time</b>				
Included Lamps	Lamp 3.25V 100, fb 3.25V 50, Adapterset 4	Lamp 3.25V 200, fb 3.25V 100, Adapterset 4	Lamp 3.25V 200, 2x fb 3.25V 100, Adapterset 4	1x fb 3.25V 100, 2x Adapterset 4
Full battery runtime	8.4 hrs	6.3 hrs	7.8 h	33.5 h



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