

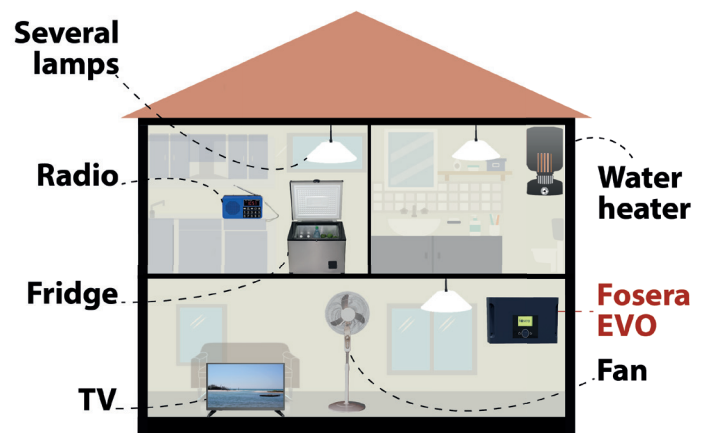
POWER LINE Fosera EVO

smartSHS features
Multiple options to grow
Hybrid Battery Technology

The Fosera EVO is our most powerful solar home system yet, a full solution allowing any home or business to compete with the grid.

With an innovative hybrid combination of Lithium (LiFePO4) and a lead acid battery available in four powerful sizes from 18.4 to 80.6 Ah, the Fosera EVO is able to support the most demanding household or business.

With 5 V USB and 12 V outlet connectors, Fosera DC appliances can be efficiently run including lighting, phone charging, radio, TV, fan, refrigeration and water heating.



Hybrid battery combination: The long lifetime of a Fosera LiFePO4 battery provides a main power source with the affordable cost of a lead acid battery acting as a storage backup. Once the LiFePO4 battery depletes, the lead acid battery can supply power until the Lithium battery is charged up again.

Ability to grow: In case the energy demand increases at a later stage, the Fosera EVO can be adapted to growth by adding an additional solar panel or the Fosera refrigerator to extend storage capacity.

Intelligent LCD control panel: With priority, excess-energy and night-light settings, the Fosera EVO manages the power consumption over the day so that all appliances have the energy needed to function.

Integrated Pay-As-You-Go (PAYG) technology: We work with several different PAYG partners to help overcome the upfront price barrier by enabling users to divide the price into affordable amounts over time.



Engineered in
Germany



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	Fosera EVO 80	Fosera EVO 160	Fosera EVO 240	Fosera EVO 320
Nominal system voltage	12,8 V			
Lithium capacity (built in)	6,4 Ah	12,8 Ah	19,2 Ah	25,6 Ah
Recommended lead capacity	12 Ah	30 Ah	40 Ah	55 Ah
Recommended PV power	50 W	100 W	150 W	200 W
Nominal system output	77 W	154 W	192 W	192 W
Max. load output current	6 A	12 A	15 A	15 A
Max. PV open circuit voltage	25 V			
Max. charging current	6 A	12 A	15 A	15 A
Integrated USB outlet	2 x (5 V / 1 A)			
Outlet connectors	2x USB, 4x Fosera Jack, 1x Screw Terminal Load, 2x Screw Terminal Special Outlet			
Connectors	1x Screw Terminal Lead Acid Battery, 2x PV Module			
Max. connector cable surface	16 mm ²			
Ambient temperature	0-50 °C max. Battery lifetime at 15-25 °C			
Protection functions	Overcurrent, Short circuit, Overload, Overcharge, Deep discharge, Overvoltage			
Compatible external lead batteries	Every 12 V lead acid battery: AGM (recommended), Gel, Open, Sealed max. dimensions 270 x 180 x 180 mm			
Dimensions hybrid system	336,5 x 216,5 x 323 mm			
Dimensions lithium system	336,5 x 216,5 x 90 mm			



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