fosera BUILT TO LAST

fosera® IGNITE

POWERFUL, HIGH QUALITY SOLAR HOME SYSTEM

MULTIPLE APPLIANCES AVAILABLE, LIKE TV, COOLER OR FAN

UP TO 243 Wh STORAGE AND 150 Wp OF SOLAR POWER

The fosera. IGNITE can meet all needs of an Off-Grid household, ranging from light to TV, fan to food cooling.
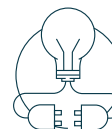
PAYG WITH ENHANCED FLEXIBILITY
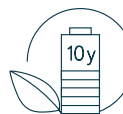Flexibility to change PAYG provider - even during field operations, without any hardware swap

SUPERIOR SYSTEM QUALITY AND PROTECTION
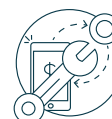short-circuit, over-current and ESD protection, allowing maintenance-free operation and a 3-year warranty

SMART ENERGY MANAGEMENT
Programmable outlets and load communication to optimize the daily runtime

RELIABLE LITHIUM-IRON-PHOSPHATE BATTERY
Significantly longer battery lifetime compared to Lithium NMC and safer to use

PAYG WITH SOLID ANTI- TAMPERING MEASURES
Prevention from unlocking PAYG, security screws, warranty seal

ENHANCED LAMPS
With touch switch, 3 dimming levels and up to 400 lumens with an efficiency of 145 lm/W
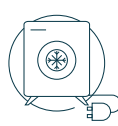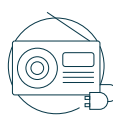
fosera® IGNITE

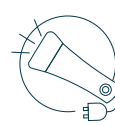| x7 outputs | phone charging | TV *optional* | standing fan *optional* | cooler *coming soon* | radio *optional* | torch *optional* | flexible design | PAYG |
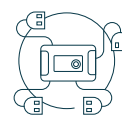
TECHNICAL SPECIFICATIONS

fosera® IGNITE	50	100	150	200	250	units
Nominal system voltage			12.8			V
Battery capacity	3.8	7.6	11.4	15.2	19.0	Ah
Battery energy capacity	48.6	97.3	145.9	194.6	243.2	Wh
Battery type			LiFePO4			
Protection features			Overcharge, deep discharge, overcurrent, short circuit			
Appliance outlets	5x 3A regular 1x 3A configurable 1x 4A high power		5x 3A regular 1x 3A configurable 1x 8A high power			
Appliance outlets total current	3.8		8.0			A
USB outputs			2x 2A USB / Max. 2A total			
Max. input current	3.8		8.0			A
Weight	1.00	1.41	1.78	2.17	2.53	kg
Dimensions			233.0 x 172.5 x 90.0			mm
PAYG *(optional)*			OpenPAYGO Token			

RECOMMENDED SOLAR PANEL

	50	100	150	200	250	units
Module peak power	15	30	50		75	Wp
Module current *Impp*	0.8	1.6	2.8		4.0	A
Module technology			36 cells polycrystalline silicon			
Cable length panel to box			6			m
Module dimensions	350 x 250 x 17	650 x 340 x 20	670 x 530 x 25		770 x 670 x 30	mm
Module weight	0.9	2.6	4.2		5.4	kg

OPERATION TIME

	50	100	150	200	250	units
Solar runtime* *With 4 Lamp 200*	7:20	15:00	25:30	25:30	37:00	hrs

*additional phone charging will reduce the runtime