



## EBERSPAECHER ENERGY STORAGE SYSTEM

# XELLSTOR THE NATIVE 230 V AND 120 V VERSION FOR MOBILE APPLICATIONS

Xellstor energy storage systems for greater self-sufficiency. As an expansion of the well-known heating and cooling product portfolio, Eberspächer has developed the Xellstor energy management systems. The modular system meets the growing demand for greater independence of external power supplies by providing autonomous solutions for a variety of different applications. Especially when electricity is needed in mobile applications or environmental regulations prohibit fuel operated power generators, the Xellstor portfolio offers the right solution for an autonomous power supply.

### SEGMENTS:



## ADVANTAGES OF THE ENERGY STORAGE SYSTEM:

- **Native 230 V & 110 V available without energy loss and noise**
- **Maximum energy density (kWh per volume)\***
- **Highest available power supply (3.6kW)** with incredible robustness for a maximum amount of devices (18 kW peak power).
- **Most run-time for your devices due to minimal internal losses.**
- The **robust** system allows **charging** (by landline, solar panel or by 12 V alternator) as well as **providing energy** to all kind of customer devices

\*10-times higher compared to e.g. AGM batteries and up to double compared to other available Li-Ion batteries.

## ADVANTAGES SMART HUB:

- Integrated Battery Charger – 1,000 W (per Power unit)
- Integrated Charging booster via alternator – 1,000 W (adjustable, depending on alternator)
- 2 Integrated MPPT Solar Charger – 1,000 Wp and 300 Wp
- Integrated intelligent energy management
  - customized & prioritized power outputs
  - customized charging power up to 3,600 W with power grid

## ADDITIONAL ATTRIBUTES:

- Smaller wire cross sections for easy installation and less weight
- An AC/DC converter is available to easily supply DC devices (12 V / 24 V)
- Best of 2 worlds: Modularity of Split-Systems and easy handling & installing of All-in-One Systems
- Validated system from one single source
- The Xellstor Energy Storage System can be controlled via the new e-connected app.

## TECHNICAL SPECIFICATIONS:

PRODUCT NAME	SMART HUB 230 V	SMART HUB 120 V
Voltage:	230 V (AC), 50 Hz	120 V (AC), 60 Hz
Nominal power:	3,600 W (16 A)	2,880 W (24 A)
200 % boost (between 50-500 s):	7,200 W (32 A)	5,760 W (48 A)
Peak power:	18,000 W (80 A)	14,400 W (80 A)
Output interfaces:	3x AC_out; 230/120 VAC	
Charging interfaces:	Solar panel PVI; 20 - 75 VDC; 1,000 Wp Solar panel (e.g. foldable) PV2; 4 - 40 VDC; 300 Wp Alternator DC_in*; 12 / 24 VDC; max 1,000 W Power grid AC_in*; 230 / 120 VAC; max 3,600 W	
Communication interfaces:	CAN Bus; LIN (CI-Bus); Bluetooth®	

PRODUCT NAME	POWER UNIT 230 V	POWER UNIT 120 V	XELLSTOR SMART HUB 230V / 120V
Voltage:	230 V (AC), 50 Hz	120 V (AC), 60 Hz	
Energy capacity:	2.1 kWh	2.1 kWh	
Dimensions (LxWxH):	ca. 375 x 105 x 315 mm	ca. 375 x 105 x 315 mm	ca. 375 x 105 x 315 mm
Volume:	ca. 12.4 dm <sup>3</sup>	ca. 12.4 dm <sup>3</sup>	
Energy/Volume:	ca. 169.4 W/dm <sup>3</sup>	ca. 169.4 W/dm <sup>3</sup>	
Weight:	20 kg	20 kg	10 kg