

BOS battery S

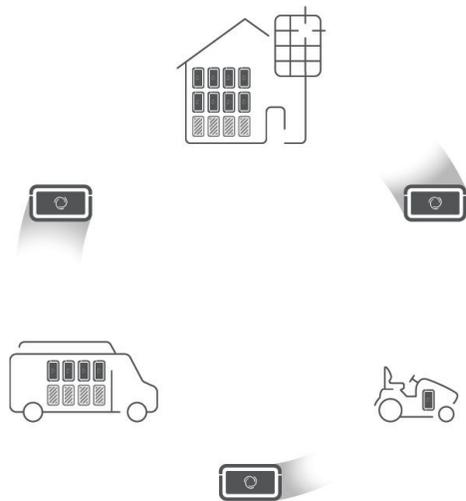
Designed for an innovative multi-use concept



No more borders between mobile and stationary use

The BOS Battery S is a lithium-ion battery, which, with LiFePO₄ cells, offers maximum safety. Its breakthrough design enables unlimited applications and unsurpassed space efficiency. At the same time, the technology ensures a state-of-the-art battery management system.

The battery is build modular so that it can be interchanged between different locations and voltages. This makes it possible to move the batteries wherever and whenever they are needed.



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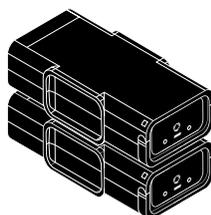
TECHNICAL DATA

Battery voltage	12.8 VDC
System voltage	12-48 VDC
Battery cells used	LiFePO4
Usable lithium capacity	80 Ah / 1024 Wh
Numbers of cycles at room temperature	3000 full cycles
Continuous charging/discharging current	Max. 80 A
Housing dimensions	175 mm width x 102.5 mm height x 353 mm length
Weight	9.9 kg
Connection terminals	M6 cable shoes, or lead acid terminals (optional)
Operation ambient temp.	-20 °C–60 °C with maximum battery life at 15 °C–25 °C
Warehousing ambient temp.	10 °C–30 °C
Lithium cell balancing	Battery management inclusive balancer
Operation modes	Pure lithium / Hybrid with lead acid battery
Protection features	Overcurrent, overvoltage, short circuit, overcharge, deep discharge, wrong polarity protection, temperature protection
Smart Features	Soft start function, digital handshake, optional communication interfaces (Bluetooth, CAN RVC etc.)

For use in available space in existing mobile home layout



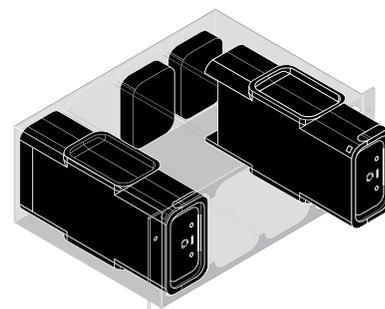
Two batteries fit into space of a 95Ah lead acid battery



For use in stationary applications, new mobile home layouts and other vehicles



BOS frame S fits into any 19" rack



EXEMPLARY BATTERY PACK CONFIGURATION

Qt. of packs connected in parallel / serial	2 parallel	4 serial
Total nominal voltage	12 V	48 V
Total lithium capacity	160 Ah / 2kWh	80 Ah / 4kWh
Continuous charging/discharging current	160 A / 2kW	80 A / 4kW