12V 110Ah Slimline Battery with DC-DC Charger

Constructed using the latest lithium iron phosphate cells. These prismatic cells are the highest quality in a metal hard case. The battery has an inbuilt Battery Management System (BMS) designed and developed in Australia.

At just under 13 kg, the unique slimline shape makes it the perfect battery for installations where space is a premium. Slide it behind a seat, bolt it to a wall or at the back of a cupboard.

The battery provides up to 120A of continuous discharge or charge and can be used in parallel to increase capacity. Charge and discharge via the grey Anderson plug or charge from a DC source via the blue Anderson plug.

The strong aluminium outer enclosure delivers a safe, lightweight and powerful unit which is the perfect building block for next generation battery systems.

SPECIFICATIONS

LBS-12110-SL120-DC20		
Chemistry		$LiFePO_4$
Nominal Voltage		12 V
Nominal Capacity		110 Ah
Nominal Energy		1.3 kWh
Input Charge Voltage		13.8 V - 14.6 V 14.0 V recommended
100% SoC Voltage		13.8 V
Low Voltage cut-off		10.5 V approx.
Charge Current		120 A max.
Discharge Current		120 A max cont. 240 A surge
Operating Temp.		See overleaf
Weight		12.9 kg
Packaged Weight		13.3 kg
Life at 80% DoD		2000 cycles
Life at 50% DoD		5000 cycles
Parallel Capable		Yes
Series Capable		Yes (Max. 2 in series)
Size	L	636 mm
	D	256 mm
	H	50 mm

FEATURES

- ✓ Strong, compact aluminium enclosure
- ✓ Internal BMS
- ✓ Over/Under voltage protection
- ✓ Overcurrent protection
- ✓ Short circuit protection
- ✓ Integrated DC-DC Charger: 20 A, 10 V-16 V
- ✓ 1x Grey Anderson (Max 120A)
- ✓ 1x Blue Anderson (DC-DC Input)
- ✓ 1x DC-DC Ignition Trigger Socket
- ✓ Designed and fully assembled in Australia

3 YEARS WARRANTY

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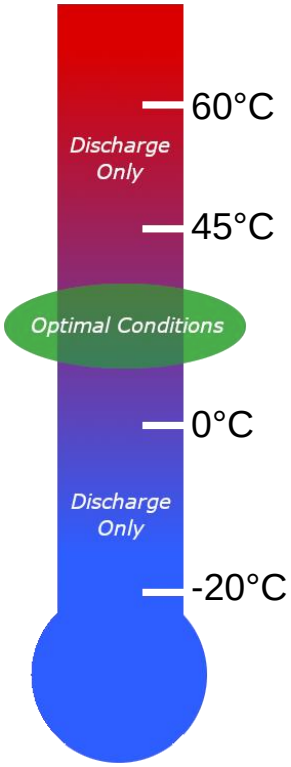
TEMPERATURE NOTICE



At temperatures above 60°C, the battery must **NOT** be **operated** (charge or loads). Please move the battery into a cooler environment.

At temperatures above 45°C, the battery must **NOT** be **charged**. Battery lifespan is reduced in these conditions.

Maintain your battery within this range for optimum battery lifespan and performance.

At temperatures below 0°C, the battery must **NOT** be **charged**. Battery performance is reduced in these conditions.

At temperatures below -20°C, the battery must **NOT** be **operated** (charge or loads). Please move the battery into a warmer environment.

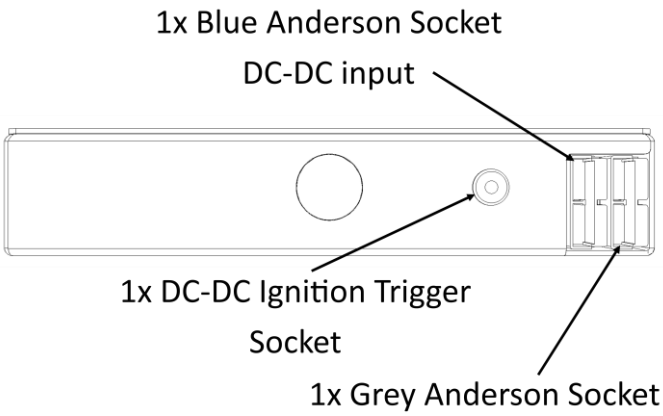
OPTIONAL EXTRAS

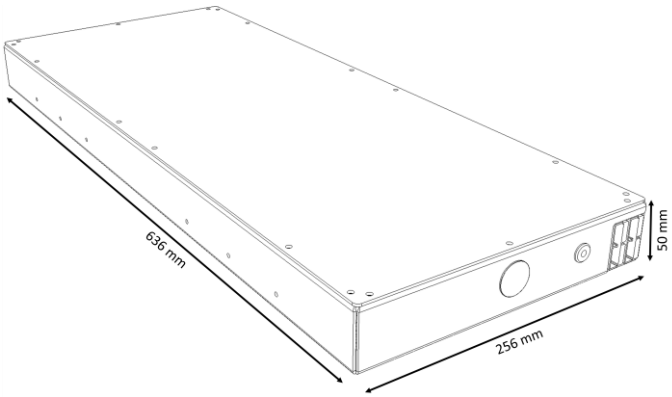
- Cable connection kit
- Monitoring kit

INCLUSIONS

Mounting bracket kit

WIREFRAME DIAGRAM





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LBS LITHIUM BATTERY SYSTEMS
Powering Freedom™