12V 150Ah 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 19 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 240A of continuous discharge or can accept up to 140A of charge and can be used in parallel to increase capacity. Charge and discharge via the M8 threaded terminals, or the grey Anderson plug (max. 50A), 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-12150-SLT240-DC40		
Chemistry		$LiFePO_4$
Nominal Voltage		12 V
Nominal Capacity		150 Ah
Nominal Energy		1.8 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		140 A max.
Discharge Current		240 A max cont. 480 A surge
Operating Temp.		See overleaf
Weight		18.4 kg
Packaged Weight		19.3 kg approx.
Life at 80% DoD		2000 cycles
Life at 50% DoD		5000 cycles
Parallel Capable		Yes
Series Capable		Yes (Max. 2 in series)
Size	W	235 mm
	D	85 mm
	L_1	612 mm
	L_2	622 mm (inc. terminals/handles)

FEATURES

- ✓ Strong, compact aluminium enclosure
- ✓ Internal BMS
- ✓ Over/Under voltage protection
- ✓ Overcurrent protection
- ✓ Short circuit protection
- ✓ Integrated DC-DC Charger: 40 A, 10 V-16 V
- ✓ M8 Threaded Hole Terminals
- ✓ 1x Grey Anderson (50A Input/Output)
- ✓ 1x Blue Anderson (DC-DC Input)
- ✓ Battery On/Off Switch
- ✓ Designed and fully assembled in Australia

3 YEARS WARRANTY

Revision: 5.0, Released: 05/05/23

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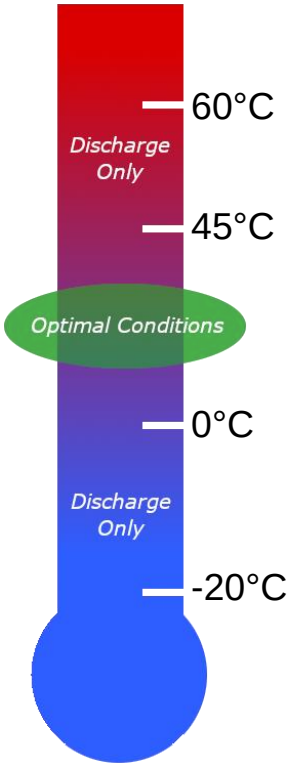
TEMPERATURE NOTICE



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.

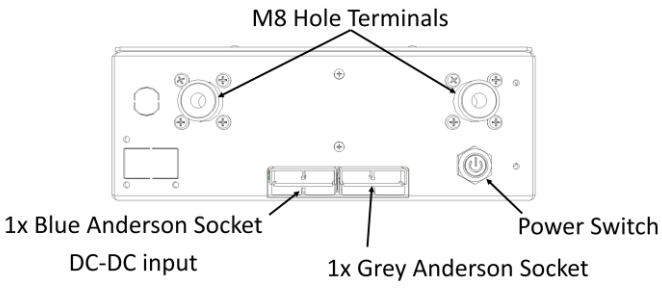
OPTIONAL EXTRAS

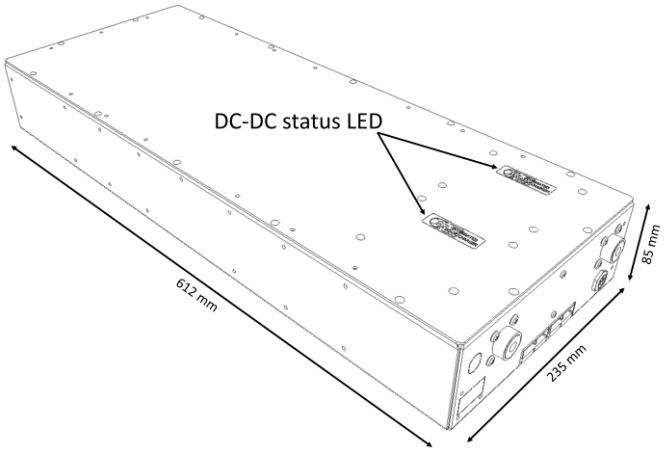
- Cable connection kit
- Monitoring kit

INCLUSIONS

Mounting bracket kit

WIREFRAME DIAGRAM





3 YEARS WARRANTY

A1 Batterypro
The Big Blue Buildings
Mackay & Townsville