

## 48V 75Ah Battery

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

At just under 30 kg, the LBS-4875-MT80-CB is a high capacity 48V battery, perfect for electric vehicles where its power, capacity, and light weight add to the the performance of the vehicles.

External circuit breakers mean that the battery can be turned off for installation, storage, maintenance or other reasons. The battery has high amperage M8 threded terminals for robust electrical connections to the loads and chargers.

The strong aluminium outer enclosure delivers a safe, lightweight and powerful unit which is the perfect power source for your 48V systems.

## SPECIFICATIONS

### LBS-4875-MT80-CB

Chemistry	LiFePO <sub>4</sub>
Nominal Voltage	48 V
Nominal Capacity	75 Ah
Nominal Energy	3.6 kWh
Input Charge Voltage	51.8 V - 54.8 V 52.5 V recommended
100% SoC Voltage	51.8 V
Low Voltage cut-off	40.0 V approx.
Charge Current	70 A max.
Discharge Current	80 A max cont. 240 A surge
Operating Temp.	See overleaf
Weight	29.5 kg
Packaged Weight	30.0 kg approx.
Life at 80% DoD	2000 cycles
Life at 50% DoD	5000 cycles
Parallel Capable	Yes
Series Capable	No
Size	L 338 mm D 257 mm H <sub>1</sub> 273 mm H <sub>2</sub> 303 mm (inc. terminals/handles)



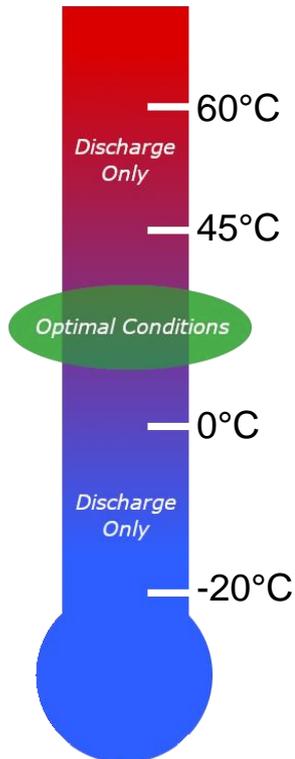
## FEATURES

- ✓ Strong, compact aluminium enclosure
- ✓ Internal BMS
- ✓ Over/Under voltage protection
- ✓ Overcurrent protection
- ✓ Short circuit protection
- ✓ M8 Threaded Hole Terminals
- ✓ Circuit Breakers (Positive & Negative)
- ✓ Designed and assembled in Australia



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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.

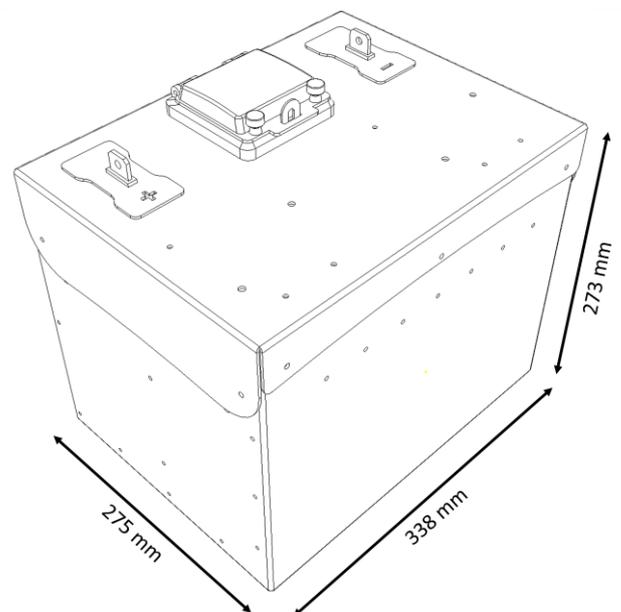
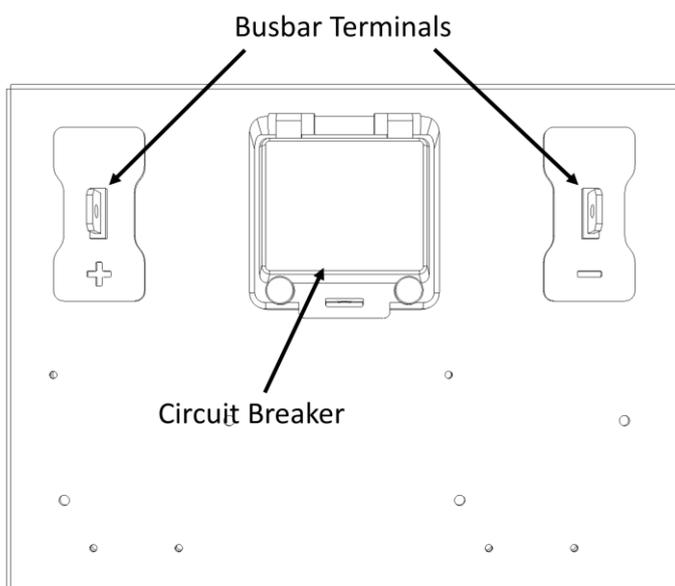
### OPTIONAL EXTRAS

- Cable connection kit
- Monitoring kit

### INCLUSIONS

Mounting bracket kit

### WIREFRAME DIAGRAM



WARRANTY



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