

## 12V 220Ah Slimline Battery - 240A output

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 23 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 charge and can be used in parallel to increase capacity. Charge and discharge via the M8 threaded hole terminals.

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-12220-SLX240

|                      |  |
|----------------------|--|
| Chemistry            | LiFePO <sub>4</sub>  |
| Nominal Voltage      | 12 V   |
| Nominal Capacity     | 220 Ah   |
| Nominal Energy       | 2.7 kWh  |
| Input Charge Voltage | 13.8 V - 14.6 V<br>14.0 V recommended  |
| 100% SoC Voltage     | 13.8 V   |
| Low Voltage cut-off  | 10.5 V approx.   |
| Charge Current       | 140 A recommended<br>240 A max.  |
| Discharge Current    | 240 A max cont.<br>480 A surge   |
| Operating Temp.      | See overleaf   |
| Weight               | 22.6 kg  |
| Packaged Weight      | 23.2 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 257 mm<br>D 90 mm<br>L <sub>1</sub> 609 mm<br>L <sub>2</sub> 619 mm (inc. terminals/handles) |



### FEATURES

- ✓ Strong, compact aluminium enclosure
- ✓ Internal BMS
- ✓ Over/Under voltage protection
- ✓ Overcurrent protection
- ✓ Short circuit protection
- ✓ M8 Threaded Hole Terminals
- ✓ Battery On/Off Switch
- ✓ Designed and assembled in Australia

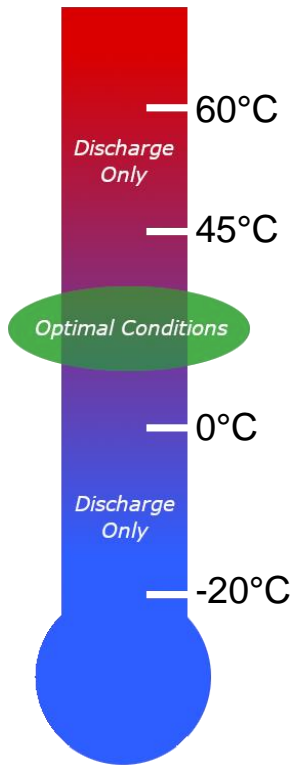


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### TEMPERATURE NOTICE



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.

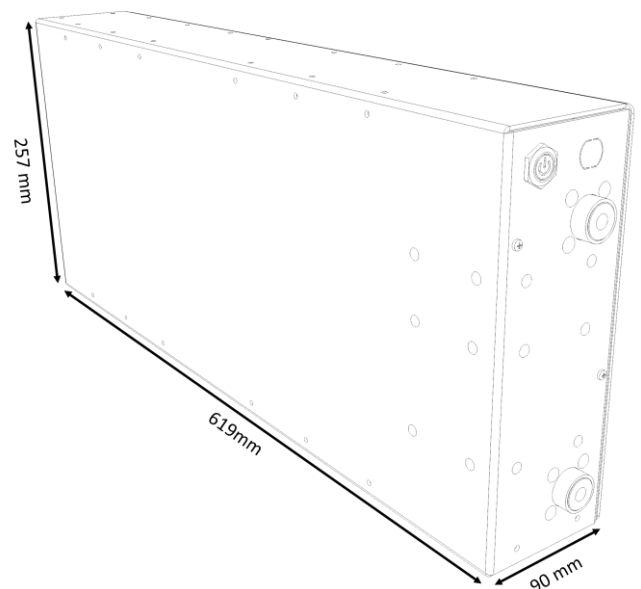
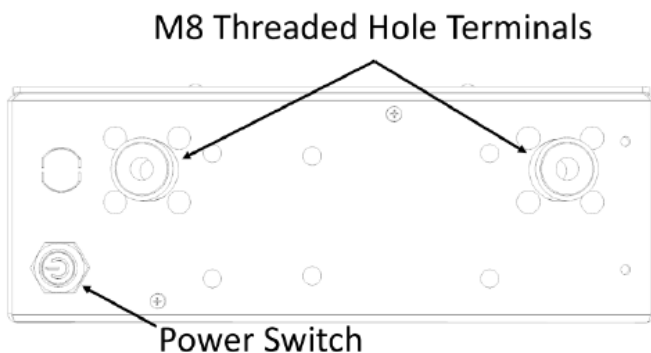
### OPTIONAL EXTRAS

- Cable connection kit
- Monitoring kit

### INCLUSIONS

Mounting bracket kit

### WIREFRAME DIAGRAM



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