





48V 50Ah LITHIUM BATTERY LBS-4850-ME-BIC



-  Australian designed, engineered & assembled
-  Strong aluminium case
-  200A continuous output
-  Inbuilt charge controllers

SPECIFICATIONS:

Model	LBS-4850-ME-BIC
Size (LxWxH)	330x240x310mm
Capacity	50Ah
Nominal Voltage	48V
Cells	16 x 3.2V, 50Ah
Type	LiFePO4
Charge Voltage	51.8V-54V
Charge Current	150A max
Discharge Current	200A/500A surge
Operating Temp	0-45°C
Weight	30kg
Lifespan at 80% DoD	2,000 cycles
Lifespan at 50% DoD	5,000 cycles

DESCRIPTION

Powerful and lightweight, the LBS Built in Controllers (BIC) has in a single package, everything you need to power your freedom.

With 3 LPPT (Lithium Power Point Tracking) solar input controllers the 48V BIC can accept up to 24 panels. Each solar input will accept up to 8 panels. This is 2 in series with up to 4 of these pairs in parallel for each of the 3 solar inputs.

The LBS-4850-ME-BIC integrates into a single light-weight product:

- 3 x 40A LPPT solar controllers 55V-80V
- Integrated LBS Battery Management System (BMS)
- On battery State of Charge (SOC) LED
- Connection for an optional remote monitoring screen
- M10 200A positive and negative terminals
- 4 x Anderson plugs (1 x I/O, 3 x LPPT Solar input)
- Strong aluminum enclosure
- 200A continuous load capable
- 500A load surge 30s, 1000A load burst 1s
- 150A charge capable
- Main power switch



**TRIPLE
GUARD**
3-Point Safety
Protection



48V 50Ah LITHIUM BATTERY LBS-4850-ME-REG

Enclosure:
2mm aluminium

Terminals: M10
Positive / Negative
200A Rated



Anderson Plugs:

- 1 x grey I/O 50A
- 3 x 40A LPPT solar inputs 55V-80V

BMS Control Panel:

- Master On/Off
- Alarm LED
- State of Charge LED
- Input status LED's
- Remote monitoring screen port

OPTIONAL EXTRAS:

- Remote monitoring screen
- Cable connection kits
- Solar panels
- AC Charger
- AC Inverters
- Marine Grade model
- Side terminals
- Soft Handles

BATTERY MANAGEMENT SYSTEM

- Solid-state high-power design
- Australian engineering
- Highly reliable & functional
- Texas Instruments platform



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assembled batteries

