



# 12V 200Ah LITHIUM BATTERY

## LBS-12200-ME-AIP



- ✓ MPPT solar & DC Charging
- ✓ Australian design BMS
- ✓ 12V 200Ah Battery
- ✓ 26kg weight

### SPECIFICATIONS

Model	LBS-12200-ME-AIP
Configuration	16 x 3.2V / 50Ah cells
Type	LiFePO4
Nominal Capacity (Ah)	200
Nominal Voltage (V)	12.8
Lifespan	2,000 cycles @ 80% DOD 5,000 cycles @ 50% DOD
Charging Voltage (V)	13.8 – 14.6
Max Charge Current (A)	100A
Load Current (A)	100A cont / 500A peak
Operating Temp (°C)	0 – 45
Weight (kg)	26
Dimensions (mm)	330L x 350W x 250H

### DESCRIPTION

Powerful and lightweight, the LBS All-In-Pack (AIP) includes in a single package, everything you need to power your freedom.

Save time and money not having to install multiple modules and reduce the risk of mismatched components not working together.

Simply connect to your vehicle alternator, solar panels, connect up your loads and enjoy the power of lithium battery technology.

The LBS 12V 200Ah AIP integrates into a single light weight product:

- 30A DC-DC charger with integrated VSR (low voltage cut-off)
- MPPT Solar controller for up to 500W of solar input
- On battery LCD control screen
- State of Charge (SOC) LED indicators 20-40-60-80-100%
- Connection for an optional remote SOC screen
- LBS Battery Management System (BMS)
- Top mounted terminals (charge or load)
- 3 x input / output Anderson plugs
- Strong aluminum enclosure
- 500A peak surge capacity (1 sec)
- 100A load current continuous
- 100A charge capacity
- Main isolation switch



**TRIPLE  
GUARD**  
3-Point Safety  
Protection



**LITHIUM  
BATTERY  
SYSTEMS**

POWERING FREEDOM



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## LBS-12200-ME-AIP

### Enclosure:

2mm aluminium

### Terminals:

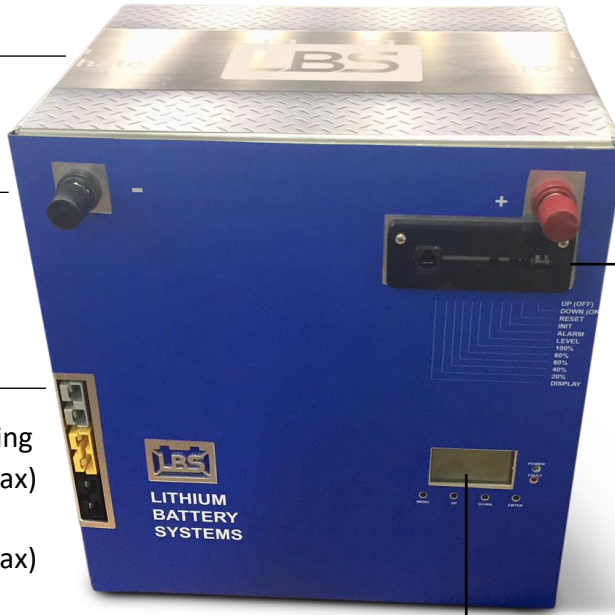
Positive / Negative

### Anderson Plugs:

- 1 x grey I/O 50A
- 1 x yellow solar charging input (10-50V, 40A max)
- 1 x black DC charging input (10-30V, 40A max)

### AIP Solar & DC Charge Controller:

- Dual charge input
- User programmable charge voltages
- MPPT solar charging algorithm

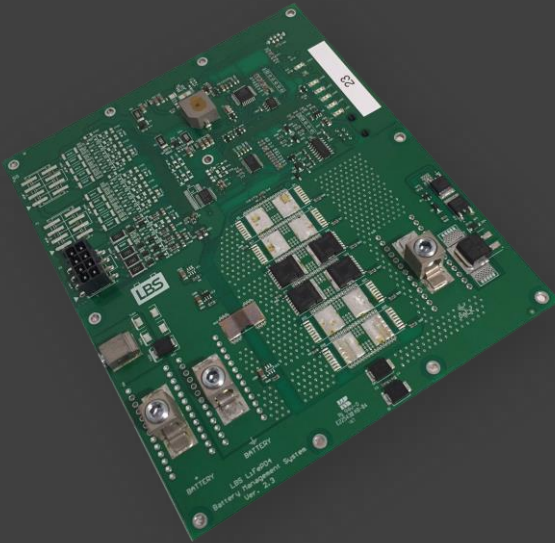


### BMS Control Panel:

- On/Off
- Reset Button
- Alarm LED
- State of Charge LEDs  
20-40-60-80-100% Full
- Remote monitoring screen port

### OPTIONAL EXTRAS:

- Remote monitoring screen
- Solar panels
- AC Charger
- Cable connection kit



### BATTERY MANAGEMENT SYSTEM

- Proprietary solid-state design;
- Australian engineering;
- Highly reliable & functional;
- Coulomb-counting State of Charge (SOC) level algorithm;
- Texas Instruments platform.



Australian designed & engineered



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POWERING FREEDOM