

LBS-4850-HP-BIC

48V 50Ah High Power (HP) BIC

DESCRIPTION

Constructed using the latest lithium iron phosphate prismatic cells. The HP battery has an inbuilt solid-state Battery Management System (BMS) which offers sophisticated internal management, balancing and diagnostics.

The battery can power larger loads up to 150A of continuous discharge and 500A surge. It can also be charged at up to 70A, replenishing the battery in less than 1 hour. These high-power units can be placed into parallel for capacity increase and current increases to power larger loads.

This BIC model has a convenient built-in solar controller for up to 800W unregulated solar input via the red Anderson. It also can receive a DC input on the blue Anderson and an external AC charger on the black Anderson. All inputs have individual volt meters for monitoring.

FEATURES

- ✓ Internal BMS with state of charge LEDs
- ✓ Strong aluminium enclosure
- ✓ Positive & negative terminals
- ✓ Grey Anderson – Input/output 50A max
- ✓ Blue Anderson – DC input 40A max
- ✓ Red Anderson – Solar input 800W max
- ✓ Black Anderson – AC charger input 40A max
- ✓ Light weight just 28kg
- ✓ LBS Verified Design
- ✓ LBS Triple Guard Safety Protection
- ✓ Designed and fully assembled in Australia

OPTIONAL EXTRAS

- ✓ Mounting bracket kit
- ✓ Cable connection kit
- ✓ Monitoring kit

VERIFIED DESIGNS

- ✓ AC chargers
- ✓ DC-DC controllers
- ✓ Inverters

APPLICATIONS



Australian designed, engineered and built

WARRANTY

3
YEARS

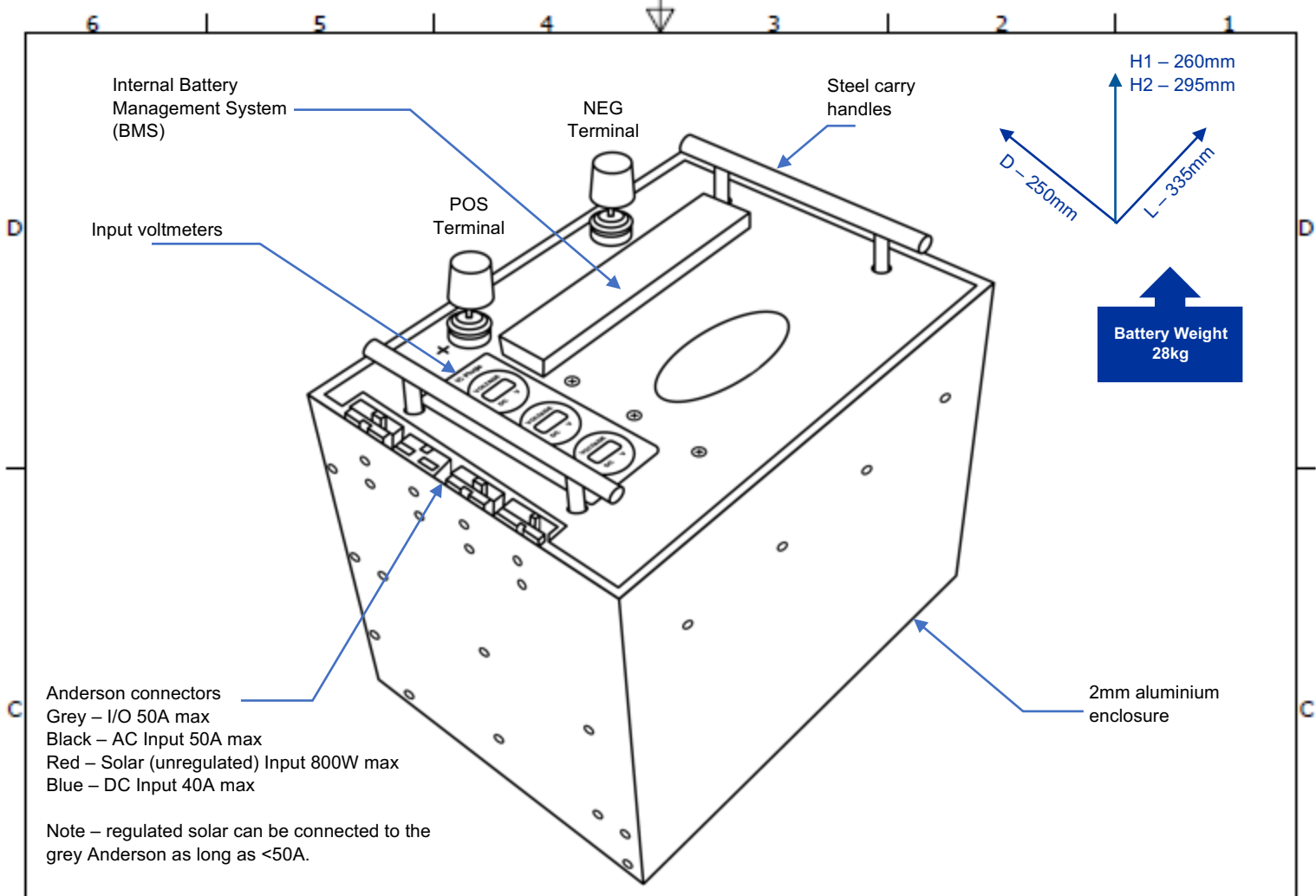
SPECIFICATIONS

Model	LBS-4850-HP-BIC
Capacity	50Ah
Nominal Voltage	48V
Type	LiFePO4
Charge Voltage	54.8V max
Charge Current	70A
Discharge Current	150A max continuous 500A surge
Operating Temp	0-45°C
Weight	28kg
Life at 80% DoD	2,000 cycles
Life at 50% DoD	5,000 cycles
Dimensions:	
Length	335mm
Depth	250mm
Height	260mm

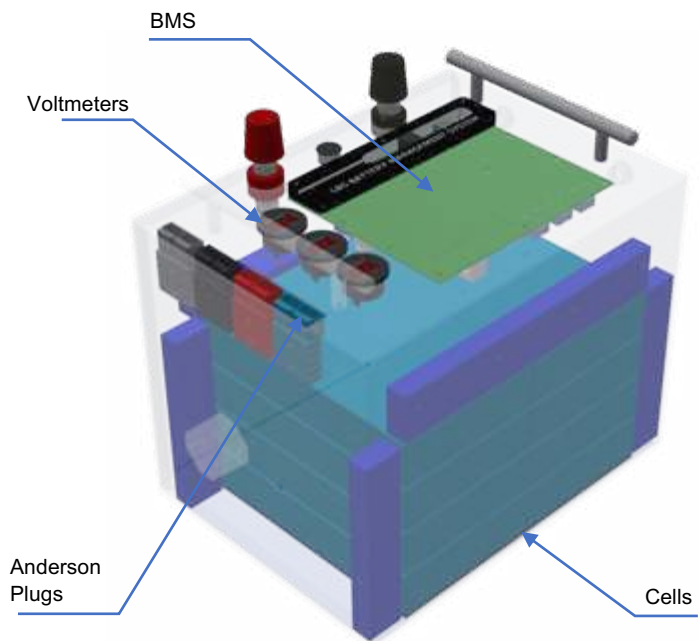


Built-In-Controllers (BIC)

- Solar charge controller
- DC charge controller



Mounting Bracket Options



Transparent

Designed by	Checked by	Approved by	Date	Date	
SS	VT	GM			
48V 50Ah High Power (HP) Lithium Iron Phosphate Battery with Built-In-Controllers (BIC)			LBS-4850-HP-BIC		
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