



# S-100B

Next Generation Premium Lithium (LiFePO<sub>4</sub>) Battery

12.8V

Nominal Voltage

1.2kWh

Capacity

100Ah

Rated Capacity



## FEATURES

- + Series & parallel ready
- + Premium 1C high performance lithium battery
- + Suitable for lead acid replacement when paired with lithium compatible inverters
- + Advanced Internal Battery Management System (BMS) with event logging
- + Can be configured in 12V, 24V, 36V or 48V in series
- + Up to 4 parallel strings (100Ah, 200Ah, 300Ah or 400Ah) per solution to a maximum of 16 units
- + New, latest generation prismatic LiFePO<sub>4</sub> (LFP) cells provide high cycle and service life
- + Compatible with most UPS & Inverters using AGM/VRLA charge setting
- + Built in protection for over-charge, over-discharge and over-temperature
- + BMS protects and balances internal cells and ensures smooth operation
- + Integrated Bluetooth communication with downloadable App

# TECHNICAL DATA

Item	Specifications
Model	Hubble S-100B
*Rated Capacity (5HR)	100 Ah
Nominal Voltage	12.8 V
Discharge Ending Voltage	12 V
Charging Limited Voltage	14.4 V
Max. Continuous Charging Current**	100 A
Max. Continuous Discharging Current	100 A
C Rating	1.0 C
Depth of Discharge	100%
Weight	Approx. 10.5 Kg
Configuration	4 in series with 4 banks in parallel for maximum 16 batteries
Parallel	Parallel connection is up to 4 strings
Dimensions (WxDxH) mm	340mm x 185mm x 235mm
Maximum DC Limits	Max 100A charge per bank & 100A discharge per bank
Cells	Premium 1st Life Prismatic LiFePO4
Design Life	+/- 15 Years
Cycle Life @ 1C	+/- 4000 Cycles
Certification	CE, UN38.3, GBT31484-2015, GBT31485-2015, GBT31486-2015
Outer Package Material	Black Polypropylene Plastic
Operating Temperature	Charging: 0 to +55°C   Discharging: -20 to +55°C   Storage: -20 to +55°C
Protection	Electronic Circuit Breaker, BMS Voltage Protection, Current Limiting
IP Rating	IP65
Monitoring	Bluetooth App (Smart BMS by DalyBMS - available on Android and iOS)



Suitable for lead  
acid replacement  
when paired with  
lithium compatible  
inverters



\* Due to continuous product improvements specifications are subject to change without prior notice.

\*\* To prolong battery life the recommended charging current is  $\leq 40A$ .