

Lithium Iron Phosphate Deep Cycle Battery with CAN Bus

SARGENT
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The Sargent 100Ah lithium deep cycle battery provides a simple drop-in replacement for most lead acid batteries used in leisure applications. It provides significant advantages over lead acid, including reduced weight, longer life, a more useable capacity and faster charging. By using the integrated CAN Bus communication, the battery is able to connect with Sargent power control systems to provide additional battery management features.

LB100S

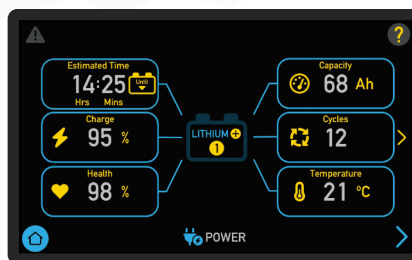


Specification	LB100S
Nominal capacity	100Ah
Nominal voltage	12.8V
Rec Boost charge voltage	14.2 - 14.6V
Rec Float charge voltage	13.8 - 14.0V
Max charge current	100A
Max cont. Discharge current	100A
Max pulse current (5 secs)	200A
Cut-off / Re-connect voltage	10.0V / 10.8V
Self discharge per month Normal Operation: Sleep Mode:	~ 20% < 0.3%
Communication	CAN Bus
Form factor	Group 24
Terminals	M8
Dimensions (L x W x H)	260x168x209mm
Nett weight	9.50kg

Compatible with Sargent EC940 & EC970 control panels

Advantages compared to lead acid:-

- Longer cycle life
- More useable capacity
- Lighter weight
- Faster charging



- Long Cycle Life**
Typically x10 cycle life of lead acid batteries
- More Usable Capacity**
Up to 100% usable capacity
- Faster Charging**
Up to x4 faster charging than lead acid batteries
- Light Weight**
Typically less than 50% weight of lead acid batteries
- Ultra Low Self Discharge**
< 0.3% per month
- BMS Protection**
Ensures safe and efficient operation
- Easy Installation**
Install vertically or horizontally to replace most lead acid batteries
- CAN Bus Interface**
Communicate battery status with other equipment