

# Lithium Iron Phosphate Deep Cycle Batteries with CAN Bus

**SARGENT**  
wired for innovation



The Sargent range of lithium deep cycle batteries provide a simple drop-in replacement for most lead acid batteries used in leisure applications. They provide 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 batteries are able to connect with Sargent power control systems to provide additional battery management features.



Magnetic connector for CAN Bus interface



Compatible with Sargent EC940/970 control panels

Specification	LB30C	LB70C	LB100C
Nominal capacity	30Ah	70Ah	100Ah
Nominal voltage	12.8V	12.8V	12.8V
Rec Boost charge voltage	14.2 - 14.6V	14.2 - 14.6V	14.2 - 14.6V
Rec Float charge voltage	13.6 - 13.9V	13.6 - 13.9V	13.6 - 13.9V
Max charge current	15A	35A	50A
Max cont. discharge current	30A	70A	100A
Max pulse current (3 secs)	60A	140A	200A
Cut-off / Re-connect voltage	10V / 11.2V	10V / 11.2V	10V / 11.2V
Self discharge / month	< 3%	<3%	<3%
Communication	CAN Bus	CAN Bus	CAN Bus
Form factor	-	Group 24	Group 31
Terminals	M5	M8	M8
Dimensions (L x W x H)	180x76x168	260x168x218	329x172x223
Nett Weight	3.18kg	8.70kg	11.21kg



- ✓ Light weight
- ✓ 100% useable energy
- ✓ Long life
- ✓ Fast charging

The use of LiFePO<sub>4</sub> battery chemistry is inherently safer than Li-Ion. Its non-toxic, acid free composition also makes handling, installation and recycling much simpler.





**Long Cycle Life**  
Typically x10 cycle life of lead acid batteries



**More Useable Capacity**  
Up to 100% useable energy



**Fast Charging**  
Up to x4 faster charging than lead acid batteries



**Light Weight**  
Typically less than 50% weight of lead acid



**Ultra Low Self Discharge**  
< 3% per month



**BMS Protection**  
Ensures safe and efficient operation



**Easy Installation**  
Install in any direction to replace most lead acid batteries



**Environmentally Friendly**  
Non-toxic, contains no acid



**CAN Bus Interface**  
Communicate battery status with other equipment