

ELP-12145

12V Rechargeable Li Iron Phosphate Battery

General description

- Standard BCI group 49 replacement for lead-acid batteries
- 100% higher energy density than in similar lead acid battery
- Internal BMS and charger supporting safe and monitored usage
- LED State of Charge Indicator (SOC)
- Remote monitoring by Bluetooth from smartphone/tablet
- Fast charging – approximately 1 hour to full charge
- More than 5000 cycles



Applications

Marine, Telecom, special purpose vehicles, recreational, automotive, renewable energy storage

Safety

- Internal BMS provides protection from:
 - Over charge and over discharge;
 - Over current Charging or discharging;
 - Short circuit
 - Over/under-Temperature
 - Reverse polarity

Quality System

- ISO-9001:2008

Standards

- UN-38.3
- UL-listed (for cells)
- IEC_62133
- IEC_62281
- IEC_62619

MSDS and Disposal

- Check with manufacturer

Electrical

Voltage	13.2 V
Capacity	1450Wh / 110 Ah
Continuous power	2400 W / 200 A
Peak Power (5 sec)	4200 W / 350 A
Charge power	1450 W / 110 A
Communication	CAN , Bluetooth, LED Fuel Gauge
Life Cycles	>5000

Mechanical

Dimensions L×W×H (mm/in)	353×175×188.3 13.90×6.90×7.60
Typical Weight	< 15 kg
Battery Housing	Plastic
Mounting	Drop-in for lead acid

Environmental

Discharge temperature	-30°C to 60°C
Storage	-40°C to 71°C
Transportation	Class 9

