

# ELI-38426

BCI Group Number 27 Rechargeable LiFePO4 Battery Pack

## General description

- Rugged Lithium Iron Phosphate battery for vehicle and heavy duty applications
- 2 times more energy than in a similar AGM/Gel battery
- 3 times longer operational life than in similar AGM/Gel battery: up to 3,000 charging cycles or 10 years
- Drop-in replacement of Lead-Acid batteries
- Smart battery with self-balancing and self-charging capability: does not require dedicated charger
- Serial and parallel interconnectivity with additional batteries for group operation



## Charge Method (CCCV)

- Embedded charging circuit; charge using 30VDC power supply
- Charging Voltage: 28.8VDC to 30VDC
- Charging current: 25A

## Safety

- Under/over voltage
- Under/over current
- Short circuit
- Temperature
- Cell Balancing

## Quality System

- ISO-9001:2008; AS-9100

## Applicable Standards

- UN-38.3
- MIL-STD-810E
- UL-1642 (for cells)

## MSDS and Disposal

- Check with manufacturer

## Electrical

Capacity (typical)	72 Ah
Energy	1,850 Wh
Max. voltage	28.8 V
Nom. voltage	25.6 V
Max. Dis. Current (cont.)	120 A
Communication	SMBus; LED Fuel Gauge
Life Cycle	Up to 3,000 to 80% capacity @ 100% DOD

## Mechanical

Dimensions	(L;W;H) 309mm X 175mm X 234.4mm
Weight	20kg
Energy Density	>95 Wh/kg; >150Wh/l
Battery Housing	ABS/Aluminum
Color	White, Black, NATO Green, customizable

## Environmental

Charge	0°C to 45°C
Discharge	-20°C to 60°C
Storage	-20°C to 50°C
Humidity	0 to 95%
Transportation	Class 9

