

ELP-38426

BCI G-27 Military LFP Battery

General description

- Rugged LFP battery for vehicle, marine and heavy duty applications
- Twice the energy of similar AGM/Gel batteries
- Up to 3,500 charging cycles or 10 years of operation
- Drop-in replacement of Lead-Acid batteries
- Smart battery with self-charging capability: does not require a dedicated charger
- Serial and parallel connectivity with additional batteries for group operation



Charge Method (CCCV)

- Charging Voltage: 28.8VDC
- Charging current: 25A

Safety

- Under/over voltage
- Over current
- Short circuit
- Over/under temperature
- Cell Balancing

Quality System

- ISO-9001:2015; AS-9100D

Applicable Standards

- UN-38.3
- UL-1642 (for cells)

MSDS and Disposal

- Check with manufacturer

Electrical

Capacity (typical)	72 Ah
Energy	1,870 Wh
Max. voltage	28.8V
Nom. voltage	26.4 V
Max. Dis. Current (cont.)	120 A
Communication	RS-485; LED Fuel Gauge
Life Cycle	Up to 3,500 to 80% capacity @ 80% DOD

Mechanical

Dimensions	(L;W;H) 309mm X 175mm X 234.4mm
Weight	20kg
Energy Density	93.5Wh/kg
Battery Housing	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

