

# ELI-33626

BCI Group 27 Rechargeable Li-Ion Battery

## General description

- Rugged Lithium-Ion battery for vehicle, shelter and backup applications
- 4 times the energy of similar AGM/Gel batteries
- 1000 charging cycles, over 5 years of operation
- Plug and Play replacement of Lead-Acid batteries
- Smart battery with self-charging capability: does not require dedicated charger
- Serial and parallel connectivity with additional batteries for group operation



## Charge Method (CCCV)

- Charging Voltage: 29.4VDC
- Charging current: 25A

## Safety

- Under/over voltage
- Over current
- Short circuit
- Under/Over 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)	156 Ah
Energy	3930 Wh
Max. voltage	29.4 V
Nom. voltage	25.2 V
Max. Dis. Current (cont.)	120 A
Communication	RS485; LED Fuel Gauge
Life Cycle	Up to 800 to 70% capacity @ 90% DOD

## Mechanical

Dimensions	(L;W;H) 309mm X 175mm X 235mm
Weight	20kg
Energy Density	196 Wh/kg; 314 Wh/l
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%
Ingress Protection	IP64
Transportation	Class 9

