

G-Series

Lithium Iron Phosphate Battery (LiFePO4)

High-performance and durable lithium battery for electric boating



G102-100 10240 Wh / 96 V



G102-230 23552 Wh / 96V

Features

- Fully Compatible with ePropulsion Motors**
 Power the 96V 10kW to 40kW ePropulsion motors including the X/I/P Series motors.*
- Maximum Safety**
 The built-in intelligent battery management system (BMS) is applied to provide maximum safety for the users.
- Space Saving**
 The slim battery design optimizes under-boat or seat storage, ideal for space-saving on RIBs and pontoon boats.
- High Reliability**
 All-metal housing is more reliable, weather resistant, impact resistant and drop proof.
- High Energy Density**
 3 times higher energy density and 70% less weight than lead-acid batteries.**
- Easy to Install**
 Connectors can be installed with only ONE hand, and the battery saves wiring harness connection compared to series-parallel connection of battery.
- Long Life Cycle**
 The G102-230 (3,500 cycles at 80% DOD) and G102-100 (3,000 cycles at 80% DOD) both last longer than lead-acid batteries.**



1C Rate Fast Charging



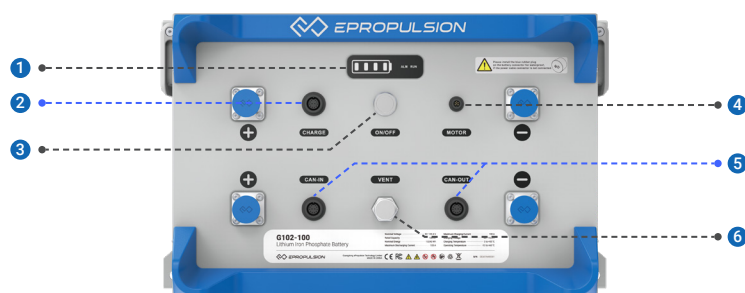
Waterproof to IP67



CE, UKCA, FCC, and UN38.3 Certification

* G-Series batteries can be connected in parallel to power different ePropulsion motors.

** Under equal capacity.



- ① LED display
- ② Charge communication port
- ③ Power button
- ④ Motor communication port
- ⑤ CAN communication port
- ⑥ Vent valve

Specs

G102-100

G102-230

Basic		
Chemistry	Lithium Iron Phosphate (LiFePO4)	Lithium Iron Phosphate (LiFePO4)
Rated Voltage	102.4 V	102.4 V
Capacity	10240 Wh / 100 Ah	23552 Wh / 230 Ah
Battery Life	3,000 cycles at 80% DOD	3,500 cycles at 80% DOD
Physical		
Weight	100 kg (220.5 lbs)	180 kg (396.8 lbs)
Dimensions	680 x 500 x 300 mm (26.8 x 19.7 x 11.8 in)	1287 x 366 x 295 mm (50.7 x 14.4 x 11.6 in)
Electrical		
Cut-off Voltage	83.2 V	83.2 V
Final Charging Voltage	115.2 V	115.2 V
Max Continuous Discharging Current	100 A	230 A
Serial Connection	N/A	N/A
Parallel Connection	Up to 8 in 1 cluster. Multiple clusters are possible in the system	Up to 8 in 1 cluster. Multiple clusters are possible in the system
Cell Configuration	32S1P	32S1P
Operational		
Charging Temperature	0°C to 55°C	0°C to 55°C
Discharging Temperature	-10°C to 60°C	-10°C to 60°C
Features		
Communication	One CAN for ePropulsion motors / One CAN (Two ports) for parallel batteries / One CAN for charger	One CAN for ePropulsion motors / One CAN (Two ports) for parallel batteries / One CAN for charger
Shipping Classification	UN3480, Class 9, UN38.3 Certified	UN3480, Class 9, UN38.3 Certified
Approvals	CE, UKCA, FCC	CE, UKCA, FCC
Warranty (Non-Commercial Use)	2 years	2 years

* The specifications are for reference only.