

G102-100

Lithium Iron Phosphate Battery (LiFePO4)

High-performance and durable lithium battery for electric boating



500 mm / 19.7 in

700 mm
27.6 in

300 mm
11.8 in

G102-100 10240 Wh / 96 V



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

Features

- **Fully Compatible with ePropulsion Motors**

Power the 96V 10kW to 40kW ePropulsion motors including the I-Series inboards.*

- **Maximum Safety**

The built-in intelligent battery management system (BMS) is applied to provide maximum safety for the users.

- **Long Life Cycle**

3,000 cycles at 80% DOD, the G102-100 powers your motors much longer than lead-acid batteries.**

- **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.

- **High Reliability**

All-metal housing is more reliable, weather resistant, impact resistant and drop proof.



1C Rate Fast Charging



Waterproof to IP67



CE, UKCA, FCC, and UN38.3 Certification

* G102-100 can be connected in parallel to power different ePropulsion motors.

** Under equal capacity.

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Basic	
Chemistry	Lithium Iron Phosphate (LiFePO4)
Rated Voltage	102.4 V
Capacity	10240 Wh / 100 Ah
Battery Life	3,000 cycles at 80% DOD
Physical	
Weight	105 kg
Dimensions	700 x 500 x 300 mm (27.6 x 19.7 x 11.8 in)
Electrical	
Cut-off Voltage	83.2 V
Final Charging Voltage	115.2 V
Max Continuous Discharging Current	100 A
Serial Connection	N/A
Parallel Connection	Up to 4 in 1 cluster. Multiple clusters are possible in the system
Cell Configuration	32S1P
Operational	
Charging Temperature	0°C to 55°C
Discharging Temperature	-10°C to 60°C
Features	
Communication	One CAN for ePropulsion motors / One CAN (Two ports) for parallel batteries / One CAN for charger
Shipping Classification	UN3480, Class 9, UN38.3 Certified
Approvals	CE, UKCA, FCC
Warranty (Non-Commercial Use)	2 years