

E-Series

Lithium Iron Phosphate Batteries (LiFePO4)

High-performance and durable lithium batteries for electric boating

Features



Safety and Reliability

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



High Energy Density

3 times higher energy density and 70% less weight than lead-acid batteries. *Under equal capacity.



Real-Time Battery Monitoring

The displays present SOC/voltage/current/alarm information, allowing users to easily know the battery's operating status.



Simple Operation

Connectors can be installed with only ONE hand. No additional tool is required.

Models

E60

3072 Wh / 48 V



E163

8345 Wh / 48 V



- **High Performance**

E60 (single battery) can support Navy 3.0 Evo (6HP) full power output.

- **Flexible Installation**

The height of E60 battery is only 300 mm, allowing flexible installation under the boat seat or other available spaces.

- **Lightweight**

Features a new innovative double-layer plastic housing design weighing only 32 kg and can be safely lifted by a person.

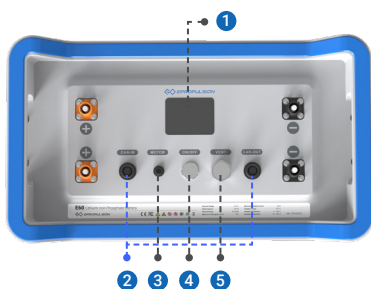
- **High Performance**

E163 (single battery) can support Navy 6.0 Evo (9.9HP) full power output.

- **High Durability**

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

Design



- 1 HD Screen
- 2 CAN communication port
- 3 Motor communication port
- 4 Power button
- 5 Vent valve

Why E-Series Battery



1C Rate Fast Charging



CE, FCC, and UN38.3 Certification



Long Life Cycle



Waterproof to IP67

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E60



E163

Basic		
Chemistry	Lithium Iron Phosphate (LiFePO4)	Lithium Iron Phosphate (LiFePO4)
Rated Voltage	51.2 V	51.2 V
Capacity	3072 Wh / 60 Ah	8345 Wh / 163 Ah
Battery Life	3,000 cycles at 80% DOD	3,000 cycles at 80% DOD
Physical		
Weight	32 kg	78 kg
Dimensions	512 x 290 x 300 mm 20.2 x 11.4 x 11.8 in	470 x 295 x 495 mm 18.5 x 11.6 x 19.5 in
Electrical		
Cut-off Voltage	41.6 V	41.6 V
Final Charging Voltage	57.6 V	57.6 V
Max Continuous Discharging Current	70 A	150 A
Serial Connection	N/A	N/A
Parallel Connection	Up to 16	Up to 16
Cell Configuration	16S4P	16S1P
Charger	New E-Series battery charger	New E-Series battery charger
Charging Time (220V)	One charger: 2.7 Hrs Two chargers in parallel: 1.3 Hrs	One charger: 7.2 Hrs Two chargers in parallel: 3.6 Hrs
Charging Time (110V)	One charger: 4 Hrs Two chargers in parallel: 2 Hrs	One charger: 11 Hrs Two chargers in parallel: 5.4 Hrs
Operational		
Charging Temperature	0°C to 55°C 32°F to 131°F	0°C to 55°C 32°F to 131°F
Discharging Temperature	-10°C to 60°C 14°F to 140°F	-10°C to 60°C 14°F to 140°F
Features		
Communication	Available: CAN-Bus for Parallel RS485 for ePropulsion motors	Available: CAN-Bus for Parallel RS485 for ePropulsion motors
Shipping Classification	UN3480, Class 9, UN38.3 Certified	UN3480, Class 9, UN38.3 Certified
Approvals	CE, FCC	CE, FCC
Warranty (Non-Commercial Use)	2 years	2 years