

E-Series

Lithium Iron Phosphate Battery (LiFePO4)

High-performance and durable lithium battery for electric boating

Features



Maximum Safety

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 display presents SOC/voltage/current/alarm information, allowing users to access the battery's operating status easily.



Easy to Install

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 33 kg and can be easily lifted by two persons.

- **High Performance**

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

- **High Reliability**

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, UKCA, 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	33 kg	76 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	E-Series battery charger	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, UKCA, FCC	CE, UKCA, FCC
Warranty (Non-Commercial Use)	2 years	2 years