

BALANCELL[®]
INTELLIGENT ENERGY STORAGE



Commercial &
Leisure Marine
Lithium Battery Range

Intelligent, reliable and safe lithium power where you need it most.

The Balancell marine battery range has you covered wherever you are, from reliable house power to fully electrical propulsion driven systems. Our IP, shock and vibration rated batteries conform to some of the toughest global standards giving you peace of mind out on the water.



— Safety As A Standard

Our entire battery range is manufactured using Lithium Ferro Phosphate, the safest Lithium technology available today. Cells can be punctured, short circuited or crushed and they will not ignite or explode. This coupled with the Balancell proprietary Battery Management System (BMS) ensures your battery is fully protected.

— Unique Energy Guarantee

Our marine battery is built tough and designed to deliver unsurpassed performance and reliability out on the water. Balancell guarantees your battery for 5 years or the total lifetime energy delivered in kWh, whichever comes first. (unlimited cycles).

— Reliable Efficient Power

The Balancell Lithium battery delivers more hours of power with no voltage sag over its cycle. And with a depth of discharge rate of 100% you are assured of accessing the total available energy when you need it most. Partial charging, fast charge and discharge rates (rated to 1C) ensure limited downtime and increased efficiency across any marine application.

— System Integration

Using open CAN bus or NMEA2000 provides complete system integration with onboard marine electronics, and our leading edge battery IOT gateway can be further customised to OEM requirements.



— Original Equipment Manufacturers

The marine batteries are available in a range of capacities and different form factors, making them an ideal solution for marine architects and original equipment manufacturers who are looking to match power with design - From luxury yachts and motor boats to small commercial craft.

— Wireless Connectivity And Custom Analytics

The Balancell online dashboard connects to our bespoke battery IOT gateway via GSM and WiFi, providing you with real time battery information, live alerts and a full battery history. Gain valuable operational insights into your batteries performance with key reporting metrics such as charge time vs run time, energy usage per hour, and monthly operating hours.

— No Active Maintenance

Balancell Lithium batteries don't require any active maintenance – zero acid leakage and no watering. And with a low self-discharge rate you can safely store your battery for long periods of time without any damage.

— Robust Design And Compact Form Factor

The Balancell Lithium battery offers a high power to weight ratio and is designed with a unique exoskeleton casing made from Aluminium and Steel and finished in an epoxy powder coating. Ensuring a robust, light and compact form factor, perfect for all conditions.

— Broad Temperature Range

Balancell batteries are designed to work in extreme temperature ranges and can operate between -15°C and 55°C. Making them perfect for both tropical sailing and harsh ocean environments.

— Lowest Total Cost Of Ownership

Using a Balancell battery means charging batteries less often, less maintenance and labour costs, higher performance, and a much longer life span. Ensuring the lowest cost of ownership and the best return on your investment.



Features

- Lowest lifetime cost and best ROI
- 5-year warranty with unique energy output guarantee (equivalent to $\pm 20,000$ operating hours)
- Unlimited cycles in warranty period
- End of warranty battery capacity at 80% of full nominal capacity
- Smart connected battery & alerts: Global wireless connectivity with full operational analytics for battery / asset management
- Temperature tolerant in extreme tropical and cold conditions
- 50-70% lighter than the equivalent lead acid battery
- Fast charge 0-100% in under two hours
- Safety: Lithium Ferro phosphate (LFP) is the safest lithium chemistry
- Safety: Proprietary Battery Management System (BMS) with solid state electrical switch
- IP65 waterproof rating
- Zero maintenance

Marine Battery Range

Model	Voltage	Capacity	Energy (kWh)	W (mm)	L (mm)	H (mm)	Weight
P00031	13 V	412 Ah	5.4 kWh	186 mm	516 mm	325 mm	40 kg
P00045	26 V	206 Ah	5.4 kWh	186 mm	516 mm	325 mm	40 kg
P00046	26 V	277 Ah	7.2 kWh	186 mm	636 mm	325 mm	52 kg
P00047	52 V	206 Ah	10.7 kWh	187 mm	946 mm	325 mm	78 kg
P00048	52 V	277 Ah	14.4 kWh	364 mm	636 mm	325 mm	99 kg
P00049	52 V	554 Ah	28.8 kWh	386 mm	1192 mm	325 mm	198 kg

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