



12.8V 100Ah - 200Ah LFP Lithium Battery Pack



What is a 12.8V 100Ah - 12.8V 200Ah battery?

Yiğit Battery lithium batteries represent the future of energy storage technology. Compared to traditional lead-acid batteries, they are not only lighter but also offer an unmatched cycle life with four times more cycles.

They are the perfect solution for a wide range of applications, including caravans, marine use, camping, and home energy storage. With a fully sealed design and an integrated battery management system, they ensure top-level safety.

If you're considering replacing your existing deep-cycle lead-acid battery, Yiğit Battery lithium batteries can seamlessly work with the same charging system, as the built-in battery management system optimizes all operations automatically. Additionally, you'll notice that lithium batteries charge much faster and more efficiently than lead-acid ones, making recovery times significantly quicker.

This Yiğit Battery lithium battery model features active cell Balancing technology, which balances the internal battery cells not only during charging but also during discharging. This helps the battery maintain performance levels as close to 100% charge as possible.

Yiğit Battery's Solutions

Yiğit Battery is a forward-thinking, innovative, and powerful brand that has established itself as a leader in the global market with its exceptional products and solutions. By exporting to over 100 countries across five continents, we are proud to deliver cutting-edge energy storage solutions that meet the diverse needs of customers worldwide. Our expertise and dedication allow us to remain at the forefront of the energy storage industry, providing reliable and advanced technologies that enhance energy efficiency and resilience.

With our 12V series batteries, designed to perform under even the most challenging conditions, we are committed to supporting our customers in optimizing their energy management systems. These solutions not only streamline operations but also align with global sustainability goals, helping businesses and individuals reduce their environmental impact.

Applications



Caravans and Camping

- Ideal for energy storage in caravans.
- Used as a portable power source for camping activities.
- Provides reliable power for lighting, refrigerators, small electronic devices, and other needs.



Marine and Boat Systems

- Used for energy storage on boats.
- Powers fishing equipment, navigation devices, and lighting systems.
- Preferred for its durability in high-humidity and challenging marine conditions.



Renewable Energy Systems

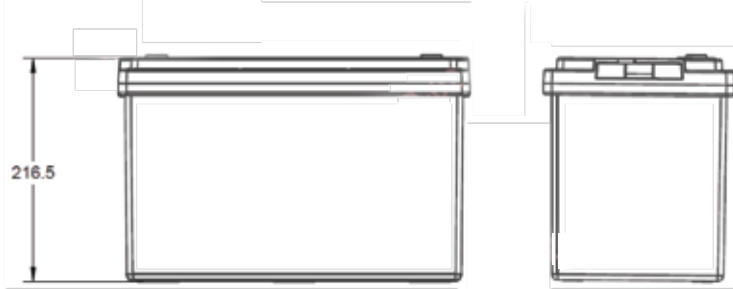
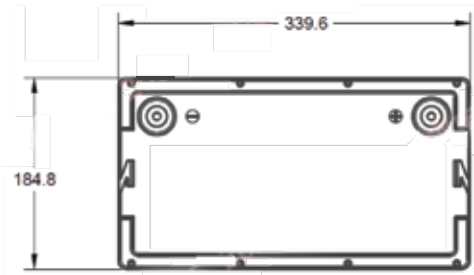
- Utilized for energy storage with solar panels and wind turbines.
- Ensures energy continuity in off-grid systems.
- Contributes to eco-friendly energy solutions.

PARAMETERS

12.8V100Ah

12.8V200Ah

| | | |
|--------------------------------|--|---|
| Cell type/Ah | LFP-100 | LFP-260 |
| Package type | 1P4S | 1P4S |
| Battery capacity/kWh | 1.28 | 2.56 |
| Battery voltage range/V | 10.8V - 14.6 | 10.8V - 14.6 |
| Charge-discharge ratio/C | 1 | 1 |
| Max charge - discharge ratio/C | 1 | 1 |
| Nominal power/kWh | 1.28 | 1.28 |
| Maximum current/A | 100 | 100 |
| Size/mm | 340*185*217 | 384*204*268 |
| Weight | 11 | 19 |
| IP | IP67 | IP67 |
| Anti-corrosion grade | Nonmetal | Nonmetal |
| Operating temperature range | Charge 0~55°C Discharge -20~55°C | Charge 0~55°C Discharge -20~55°C |
| Relative humidity | 5%RH~95%RH | 5%RH~95%RH |
| Maximum operating height/m | <3000 | <3000 |
| Cooling concept | Nature cooling | Nature cooling |
| Communication interfaces | Bluetooth | Bluetooth |
| Communication protocols | Bluetooth | Bluetooth |
| Standard color | Black | Black |
| Connection type | 4S/4P | 4S/4P |
| Compatibility | UN38.3 Cell: CE, ROHS 0.5/UN38.3 (0.5C)/UL9540A IEC62613, UL1642 UL1973, UL9540A | UN38.3 Cell: CE, ROHS 0.5/UN38.3 (0.5C)/UL9540A IEC62613, UL1642 UL1973 |



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