



520 kWh lithium ion battery

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This lithium battery is designed with user-friendliness in mind. It includes available battery monitoring software and optional Bluetooth APP monitoring, allowing you to track performance conveniently. The battery offers an all-around communication interface, including CAN, RS485, RS232, and Dry Contact, providing seamless integration into your existing setup. Furthermore, the built-in intelligent battery protection and monitoring systems ensure optimal performance and safety, giving you peace of mind.

The PRAG 5kWh Lithium-ion Battery features a wall-mounted design and is lightweight for easy installation. It is also scalable, allowing you to connect up to 15 units to meet your energy needs. Optional LCD screen and app monitoring enhance user experience. With maintenance-free operation and a wide range of operational environments, this battery is compatible with most common inverters, making it a versatile addition to any solar system.

Backed by a 10-year warranty and boasting over 98% efficiency, the PRAG 5kWh Lithium-ion Battery is built to last. Its LiFePO₄ chemical materials comply with international standards, including IEC62619, EN61000, UL1973, CE, ROHS, and UN38.3. Designed for a lifespan of over 15 years, it can endure more than 6000 cycles, providing long-term reliability.

This lithium battery is not only efficient but also environmentally friendly. Being non-toxic and cobalt-free, it is a sustainable choice for eco-conscious consumers.

UF5000 is the latest Pylontech 48V LFP battery with bigger capacity at 5.12kWh modular and stronger functions for high current strike endurance, dual active protection, remote upgrade feature, widely internal compatibility up to 20 modules per single string.

Lithium-iron-phosphate (LiFePO₄ or LFP) is the safest li-ion battery, more energy efficient, and ideal for off-grid solar and wind applications. Round trip efficiency 92%. Ultra compact and energy-intensive, a single console stores 5.12kWh.

You can create energy storage towers with these 5.12kWh 100Ah batteries that are strong enough to power anything from a camper van to a big house, either in connection with a public grid or entirely off-grid. Power and communication cables are included, so you can easily stack up to 3 batteries with inexpensive metal brackets or up to 8 in a server cabinet. It's possible to reach up to 125kWh by connecting multiple stacks in parallel, and they are compatible with 20 different solar inverters.

Safety features include built-battery fuses to prevent short-circuiting, thermal management to drain excess heat, a cell balancing algorithm and a battery management system to avoid and protect against over/under voltage. Given the cost of electricity, the batteries and solar panels can pay for themselves within three to five



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years.

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