



# Solar cell energy storage 40 kWh

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The L3 Series Limitless Lithium(TM) is a high voltage lithium-ion battery designed for expandable energy storage and reliable backup power. The modular configuration of the L3 allows for expansion through the addition of battery modules, each capable of 5.12 kWh storage Capacity. The capacity of the L3 system can be expanded up to 40.96 kW and 61.44 kWh, for the L3 HV-40 kWh and L3 HV-60 kWh models respectively.

The 40kwh 800ah stacked lithium iron batteries is a high-capacity energy storage solution, typically using lithium iron phosphate (LiFePO<sub>4</sub>) technology, which is favored for its high safety, long cycle life, and high-temperature performance. This battery system provides energy storage capacity of up to 40kWh and over 3000 to 6000 charge and discharge cycles, which means they can be used for a long time without frequent replacement. The materials used are relatively environmentally friendly, free of heavy metals and harmful chemicals, reducing their impact on the environment.

40kwh 800ah stacked lithium iron batteries with LiFeCoPO<sub>4</sub> lithium-ion batteries for communication home energy storage power products. Expandable battery modular design (flexible combination of 1 to 8 modules) Appliances design, simple and beautiful. With RS485 interface, data transmission and parallel networking can be realized. Accurate measurement of SOC (residual capacity / full capacity) and SOH (discharge capacity / nominal capacity) Provide strong power for household power supply. 2.5kWh modular design, flexible parallel expansion from 2.5kWh to 20kWh, up to 8.

The high energy density of stacked lithium batteries can store more electricity in the same volume. The modular design can be easily stacked or connected in parallel to adapt to different energy storage needs and application scenarios, providing great flexibility and easy expansion.

Stacked lithium batteries are not easily damaged, and their long lifespan also provides an extended shelf life. GycxSolar's confidence in our products enables us to provide long-term free warranty services.

Its modular stacking design facilitates installation and quick disassembly, allowing users to easily add or remove battery units, simplifying the installation process and reducing time and labor costs.

Stackable solar batteries have an ultra long cycle life, ensuring long-lasting and reliable energy storage, providing stable performance and efficient operation throughout their entire lifecycle.

The stacked energy storage battery system emphasizes environmental protection. Environmentally friendly materials and advanced technology reduce material waste and optimize resource utilization.



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Batteries provide various protections, such as charging high voltage protection, discharging low voltage protection, charging and discharging, overcurrent protection, high temperature protection, and short circuit protection.

Suitable for various application scenarios such as home energy storage systems, supporting energy storage for solar or wind power generation systems, industrial automation equipment, backup power sources, electric vehicle charging stations, etc.

A charger compatible with the battery system should be used and the manufacturer's charging guidelines should be followed. Be careful not to exceed the maximum charging current and voltage limit of the battery.

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