



# 80 kWh solar battery

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Delong's 80kWh battery pack can be connected to an inverter or PCS to form a solar energy system. This system can output a voltage of 512V. You can use it in grid-tied, off-grid, or hybrid modes. The 80kWh battery meets energy needs for residential, commercial, emergency, and industrial applications.

The 80kWh battery pack consists of five 16kWh LiFePO<sub>4</sub> battery modules. Each module is rated at 102.4V and 157Ah. The enclosure has an IP20 protection rating, meeting the requirements for normal environmental use. Its features are as follows:

- o Uses Grade A LiFePO<sub>4</sub> cells: Each module is made up of 32 Grade A 3.2V cells connected in series. These cells have very high consistency, allowing them to achieve excellent discharge performance together.
- o Built-in Smart BMS: The system's battery management system consists of BMU and BCU. The BMU controls the charging and discharging of each cell. The BCU manages the overall operation of the system. Multiple protections ensure the safety and performance of the battery!
- o Real-Time Display: With the industrial control display, you can clearly view the entire system structure. At the same time, you can easily monitor the battery status at a glance.

The Delong 80kWh lithium battery has a high usable capacity and can undergo up to 6,500 cycles. At the same time, it has a very low self-discharge rate, giving it a lifespan that is 3 to 5 times longer than that of lead-acid batteries.

The 80kWh LiFePO<sub>4</sub> battery has a high energy density. It can store more capacity in a smaller size. Compared to lead-acid batteries, the 500V lithium battery takes up less space and offers greater adaptability to various applications.

Our system uses a modular design, making it easy to expand capacity. At the same time, the modular design also facilitates transportation, installation, use, and maintenance. It's worth noting that lithium batteries require minimal maintenance. You can save more effort and costs.



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Contact us for free full report

Web: <https://www.hollanddutchtours.nl/contact-us/>

Email: [energystorage2000@gmail.com](mailto:energystorage2000@gmail.com)

WhatsApp: 8613816583346

