LJY Energy

China-based LiFePO4 Battery Supplier & OEM/ODM Partner

51.2V 200Ah LiFePO4 Battery (10.24kWh)

Specification sheet - standard configuration. Wall-mount / 19-inch rack energy-storage battery for residential and light commercial systems, supplied wholesale and for OEM/ODM projects.

Parameter	Value
Nominal voltage	51.2V (16S)
Capacity	200Ah
Energy	10.24kWh
Cell architecture	16S2P - 32 x 100Ah Grade A prismatic cells (e.g., EVE LF100LA class)
Charge voltage	58.4V typical (3.65V/cell)
BMS	100A typical; CAN/RS485 + Bluetooth options
Enclosure	Wall-mount / 19" rack options
Parallel expansion	Up to 14+ units (per BMS) - 143kWh+
Documentation	UN38.3, MSDS, specification sheet per project

The 51.2V family

51.2V 100Ah	16S1P (100Ah cells) - 5.12kWh - entry configuration
51.2V 200Ah	16S2P (100Ah cells) - 10.24kWh - this model
51.2V 280Ah	16S1P (280Ah cells) - 14.34kWh
51.2V 314Ah	16S1P (314Ah cells) - 16.08kWh

Communication & inverter pairing

CAN / RS485 closed-loop communication is preferred for accurate state of charge, with voltage-mode fallback where unsupported. BMS firmware is configured for the project's inverter before shipment - provide your inverter model with the enquiry so the pairing can be confirmed for your project.

Notes

- Values describe the standard configuration of this model as published on the product page. Final configuration is confirmed in writing per project before production.
- Parallel systems must use units of the same model, capacity and age.
- Specifications, pricing, MOQ and lead times are confirmed per project. This sheet is not a quotation.

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Product page: https://ljyenergy.com/51-2v-200ah-lifepo4-battery/

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