

LP16-24200

25.6V 200Ah Lithium Energy Storage Battery | 5.12kWh

24V-CLASS SYSTEM



Series product image; appearance may vary by batch.

25.6V

NOMINAL VOLTAGE

200Ah

RATED CAPACITY

5.12kWh

NOMINAL ENERGY

3.5kW

MAX. OUTPUT POWER

High-capacity, flexible energy storage

A 25.6V nominal battery designed for 24V-class energy storage. Its 200Ah capacity delivers 5.12kWh of nominal energy, with BMS protection and multi-protocol system communication.

KEY FEATURES

- 6,000 cycles at 80% DOD and 25°C
- CAN2.0, RS232 and RS485 communication
- 150A maximum continuous charge/discharge
- Over-charge, over-discharge and current protection
- Up to 40 battery units in parallel
- Wall, stacked or optional rack installation

INSTALLATION CONFIGURATIONS

Wall-mounted | Stacked-mounted | Rack-mounted (optional)

LP16-24200 | TECHNICAL SPECIFICATIONS

ELECTRICAL AND OPERATING DATA

Nominal voltage	25.6V
Rated capacity	200Ah
Nominal energy	5,120Wh / 5.12kWh
Maximum output power	3.5kW
Cycle life	6,000 cycles at 80% DOD, 25°C
Recommended charge voltage	29.2V
Recommended charge current	40A
Discharge end voltage	22.0V
Standard charge current	40A
Standard discharge current	100A

Max. continuous charge	150A
Max. continuous discharge	150A
BMS charge cut-off	29.2V / 3.65V per cell
BMS discharge cut-off	22.0V (2s) / 2.75V per cell
Charge temperature	0 to 50°C
Discharge temperature	-20 to 60°C
Storage temperature	-5 to 35°C
Shipment voltage	At least 25.6V
Parallel connection	Up to 40 units
Communication	CAN2.0 / RS232 / RS485
Ingress protection	IP21

MECHANICAL AND PROTECTION DATA

Enclosure material	SPCC
Installation	Wall-mounted / stacked / rack-mounted (optional)
Product dimensions	442 (W) x 486.5 (H) x 250 (D) mm
Carton dimensions	557 (W) x 300 (H) x 547 (D) mm

BMS safety functions	Overcharge, over-discharge, over-current, low/high temperature and short-circuit protection
BMS charge cut-off	29.2V (3.65V per cell)
BMS discharge cut-off	22.0V (2s) (2.75V per cell)
IP protection level	IP21