LIFEPO4 · 48 V · BYD CELLS

Pro Cube 10 kWh+

A 10.2 kWh lithium iron phosphate battery on original BYD cells, for homes and businesses: 200 A continuous, a 5 inch touchscreen, and up to 100 units in parallel.

10.2 kWh
ENERGY

6,000+
CYCLES AT 80% DOD

8 years
WARRANTY



5 inch touchscreen

Voltage, current, temperature and state of charge on screen; set the inverter protocol from it.

Original BYD cells

200 Ah lithium iron phosphate cells, 16 in series, with active cell balancing.

Scales to 100 units

Up to 100 batteries in parallel, linked over RS485 and CAN 2.0.

Built to protect

Built-in fire arrestors, loose connection detection, covered cable connectors.

BATTERY

Chemistry	**LiFePO4, original BYD cells**
Nominal voltage	**51.2 V**
Nominal capacity	**200 Ah**
Energy	**10,240 Wh**
Cells	**16 in series, active cell balancing**

OPERATING PARAMETERS

Voltage range	**44.8 V to 56.8 V**
Charging voltage	**56 ± 0.8 V**
Discharge cut-off voltage	**44.8 V**
Discharging current	**200 A**
Peak discharge (25 °C)	**600 A, 3 s**
Recommended depth of discharge	**80%**

MONITORING AND COMMUNICATION

Display	**5 inch LCD touchscreen, protocol set on screen**
Indicators	**4 LEDs for state of charge, 1 run, 1 alarm**
Communication	**CAN 2.0, RS485, WiFi, Bluetooth**
Inverter type	**Detected automatically**
Firmware updates	**Through the RS485 port**
Parallel operation	**Up to 100 units in one battery group**

GENERAL

Enclosure	**IP21, indoor installation**
Design life (25 °C)	**More than 15 years**
Cycle life	**6,000+ cycles at 80% DoD**
Warranty	**8 years**
Maintenance	**Maintenance-free**

CERTIFICATIONS

UL 1973	stationary battery safety
IEC 62619	safety of industrial lithium batteries
UN38.3	lithium battery transport
CE	European conformity
MSDS	material safety data sheet

Figures at 25 °C. Communication ports can be customized. Specifications may change without notice. Contact Sunwave for pricing, lead times and the latest version of this datasheet.