



12.8 V SERIES · PRODUCT DATASHEET

PB128200

12.8 V 200 Ah LiFePO4 battery

RATED ENERGY

2.56 kWh

Twice the capacity of the PB128100 at the same voltage: 2.56 kWh for homes, small businesses and off-grid setups that need longer backup without re-wiring to a higher-voltage system.

NOMINAL VOLTAGE

12.8 V

CAPACITY

200 Ah

MAX DISCHARGE

750 W

MAX CHARGE

60 A

Specifications

Model	PB128200
Chemistry	LiFePO4 (lithium iron phosphate)
Nominal voltage	12.8 V
Rated capacity	200 Ah
Rated energy	2.56 kWh
Max. charging voltage	14.4 V
Max. charging current	60 A
Discharge cut-off voltage	11.2 V

Max. discharge power	750 W
BMS	TriShield: BMS + fuse + MCB
Monitoring	Visual voltage & state-of-charge display
Self-discharge	max 3% per month
Dimensions (L × W × H)	365 × 250 × 240 mm (±20)
Storage temperature	25 °C
Warranty	3–5 years

Key features

- TriShield — BMS + Fuse + MCB
- SCT — Sync Charge Technology: charge faster, last longer, stay safer
- SOC — visual voltage & state-of-charge monitoring
- High performance · Zero maintenance · Longer life

Ideal for

- Large home inverters
- Small shops and clinics
- Off-grid cabins and farms
- Long power cuts

TriShield protection: BMS (software: over-current, over-voltage, over-temperature and short-circuit protection), fuse and MCB (hardware: over-current and short-circuit protection). SCT Sync Charge Technology and visual voltage & state-of-charge monitoring. Do not connect batteries in series or parallel. Register the battery at powrio.com/warranty/register to receive a digital warranty certificate with QR verification. Specifications are subject to change; confirm with Powrio before ordering.