



25.6 V SERIES · PRODUCT DATASHEET

PB256200

25.6 V 200 Ah LiFePO4 battery

RATED ENERGY

5.12 kWh

The highest-capacity 24 V pack in the range: 5.12 kWh and up to 2 kW discharge for larger solar arrays, business backup and critical loads on a 24 V system.

NOMINAL VOLTAGE

25.6 V

CAPACITY

200 Ah

MAX DISCHARGE

2000 W

MAX CHARGE

80 A

Specifications

Model	PB256200
Chemistry	LiFePO4 (lithium iron phosphate)
Nominal voltage	25.6 V
Rated capacity	200 Ah
Rated energy	5.12 kWh
Max. charging voltage	29.2 V
Max. charging current	80 A
Discharge cut-off voltage	22.4 V

Max. discharge power	2000 W
BMS	TriShield: BMS + fuse + MCB
Monitoring	Visual voltage & state-of-charge display
Self-discharge	max 3% per month
Dimensions (L × W × H)	455 × 415 × 250 mm (±20)
Storage temperature	25 °C (±5 °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 24 V solar arrays
- Business backup
- Critical-load circuits
- Whole-home essentials

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.