



51.2 V SERIES · PRODUCT DATASHEET

PB512200

51.2 V 200 Ah LiFePO4 battery

RATED ENERGY

10.24 kWh

Double the capacity of the PB512100: 10.24 kWh and up to 5 kW discharge on a 51.2 V bus, for larger homes, commercial solar and backup that needs to run through the night.

NOMINAL VOLTAGE

51.2 V

CAPACITY

200 Ah

MAX DISCHARGE

5 kW

MAX CHARGE

100 A

Specifications

Model	PB512200	Discharge cut-off voltage	44.8 V
Chemistry	LiFePO4 (lithium iron phosphate)	Max. discharge power	5 kW
Nominal voltage	51.2 V	BMS	TriShield: BMS + fuse + MCB
Rated capacity	200 Ah	Monitoring	Visual voltage & state-of-charge display
Rated energy	10.24 kWh	Dimensions (L × W × H)	On request
Max. charging voltage	58.4 V	Warranty	3–5 years
Max. charging current	100 A		

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 hybrid solar systems
- Whole-home backup
- Commercial solar
- Telecom shelters

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.