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	CAPACITY	MAX DISCHARGE	MAX CHARGE
51.2 V	**200 Ah**	**5 kW**	**100 A**

Specifications

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

Powrio Energy Solutions · 310, Magnifico Commercial Hub, Thaltej, Ahmedabad, Gujarat 380054, India
1800-102-7251 (toll-free) · +91 96703 18958 · info@powrio.com · powrio.com