



25.6 V SERIES · PRODUCT DATASHEET

PB256100

25.6 V 100 Ah LiFePO4 battery

RATED ENERGY

2.56 kWh

A 24 V-class pack with 2.56 kWh and up to 1.5 kW discharge — lower current than a 12 V system for the same power, so cables run cooler — without moving to a full 48 V installation.

NOMINAL VOLTAGE

25.6 V

CAPACITY

100 Ah

MAX DISCHARGE

1500 W

MAX CHARGE

50 A

Specifications

Model	PB256100	Max. discharge power	1500 W
Chemistry	LiFePO4 (lithium iron phosphate)	BMS	TriShield: BMS + fuse + MCB
Nominal voltage	25.6 V	Monitoring	Visual voltage & state-of-charge display
Rated capacity	100 Ah	Self-discharge	max 3% per month
Rated energy	2.56 kWh	Dimensions (L × W × H)	365 × 250 × 240 mm (±20)
Max. charging voltage	28.8 V	Storage temperature	25 °C
Max. charging current	50 A	Warranty	3–5 years
Discharge cut-off voltage	22.4 V		

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

- 24 V inverters
- Retail and office backup
- Mid-size solar
- Clinics and labs

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.