



12.8 V SERIES · PRODUCT DATASHEET

PB128100

12.8 V 100 Ah LiFePO4 battery

RATED ENERGY

1.28 kWh

A compact 12.8 V pack storing 1.28 kWh — the straightforward way to replace a 12 V lead-acid inverter battery with lithium iron phosphate. More usable energy from a lighter, maintenance-free unit.

NOMINAL VOLTAGE

12.8 V

CAPACITY

100 Ah

MAX DISCHARGE

700 W

MAX CHARGE

50 A

Specifications

Model	PB128100	Max. discharge power	700 W
Chemistry	LiFePO4 (lithium iron phosphate)	BMS	TriShield: BMS + fuse + MCB
Nominal voltage	12.8 V	Monitoring	Visual voltage & state-of-charge display
Rated capacity	100 Ah	Self-discharge	max 3% per month
Rated energy	1.28 kWh	Dimensions (L × W × H)	230 × 210 × 210 mm (±20)
Max. charging voltage	14.4 V	Storage temperature	25 °C
Max. charging current	50 A	Warranty	3–5 years
Discharge cut-off voltage	11.2 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

- Single-battery home inverters
- Small rooftop solar
- Network and CCTV backup
- Backup lighting

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.