48 V SERIES · PRODUCT DATASHEET

PB480100

48 V 100 Ah LiFePO4 battery

RATED ENERGY
4.80 kWh

A 48 V pack with 4.8 kWh and up to 2.8 kW discharge for 48 V inverters, UPS systems and telecom sites.

NOMINAL VOLTAGE	CAPACITY	MAX DISCHARGE	MAX CHARGE
48 V	**100 Ah**	**2800 W**	**50 A**

Specifications

Model	**PB480100 (label: PB48100)**
Chemistry	**LiFePO4 (lithium iron phosphate)**
Nominal voltage	**48 V**
Rated capacity	**100 Ah**
Rated energy	**4.80 kWh**
Max. charging voltage	**54 V**
Max. charging current	**50 A**
Discharge cut-off voltage	**42 V**
Max. discharge power	**2800 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**
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

- 48 V inverters and UPS
- Telecom and network sites
- Server and data rooms
- 48 V solar

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.

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