



HIGH-VOLTAGE SERIES · PRODUCT DATASHEET

PBHV1280100

128 V 100 Ah LiFePO4 battery

RATED ENERGY
12.8 kWh

A 128 V high-voltage LiFePO4 pack storing 12.8 kWh, with a smart master–slave CAN BMS (CAN 2.0, 500 kbps) for high-voltage hybrid inverters and commercial energy storage. Installation and service by authorised personnel only.

NOMINAL VOLTAGE

128 V

CAPACITY

100 Ah

MAX DISCHARGE

12.8 kW

COMMUNICATION

CAN 2.0

Specifications

Model	PBHV1280100
Chemistry	LiFePO4 (lithium iron phosphate)
Nominal voltage	128 V
Rated capacity	100 Ah
Rated energy	12.8 kWh
Recommended charging current	max 50 A recommended

Max. discharge power	12.8 kW
Discharging current	100 A max (max 50 A recommended)
BMS	Smart CAN BMS, master–slave
Communication	CAN 2.0, 500 kbps
Dimensions (L × W × H)	On request
Warranty	5 years

Key features

- Smart CAN BMS — master–slave architecture
- CAN 2.0 communication at 500 kbps
- 12.8 kWh and up to 12.8 kW in one pack
- High performance · Zero maintenance · Longer life

Ideal for

- High-voltage hybrid inverters
- Commercial & industrial storage
- Factories and warehouses
- Hospitals and campuses

High-voltage system: installation and service by authorised personnel only. Smart master-slave CAN BMS with CAN 2.0 communication at 500 kbps. 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.