



BL10240 / BL15360

Floor-Standing LiFePO4 Battery

51.2 V | 200 / 300 Ah | 10.24 / 15.36 kWh

The Enerup BL10240 / BL15360 floor-standing lithium battery series is designed for low-voltage energy storage applications with LiFePO4 cells, integrated BMS protection, LCD display, and optional CAN / RS485 / Wi-Fi communication.

KEY FEATURES

Floor-Standing Cabinet

Compact floor-standing design for residential and light commercial storage systems.

LiFePO4 Chemistry

Stable lithium iron phosphate platform for reliable low-voltage storage.

High Discharge Capability

Up to 200 A continuous discharge current and 300 A pulse discharge current.

Smart Communication

Optional CAN, RS485, and Wi-Fi communication for system integration.

Built-in Protection

Protection for overcharge, overdischarge, overcurrent, short circuit, and overtemperature.

5 Years Warranty

5 years warranty for stable long-term operation.

QUICK SPECIFICATIONS

Models	BL10240 / BL15360
Battery Type	LiFePO4
Nominal Voltage	51.2 VDC
Rated Capacity	200 Ah / 300 Ah
Rated Energy	10.24 kWh / 15.36 kWh
Continuous Charge Current	100 A / 200 A
Continuous Discharge Current	200 A / 200 A
Communication	CAN / RS485 / Wi-Fi

TECHNICAL SPECIFICATIONS - BL SERIES

General

Models	BL10240 / BL15360
Product Type	Floor-standing low-voltage lithium battery
Battery Type	LiFePO4
Nominal Battery Voltage	51.2 VDC
Rated Capacity	BL10240: 200 Ah; BL15360: 300 Ah
Rated Energy	BL10240: 10240 Wh; BL15360: 15360 Wh

Electrical Performance

Float Charge Voltage	56.0 VDC
Operating Voltage Range	40.0-58.4 VDC
Max. Continuous Charge Current	BL10240: 100 A; BL15360: 200 A
Max. Continuous Discharge Current	200 A
Max. Pulse Discharge Current	300 A for 1 second
Terminal	M8

BMS & Communication

Display	LCD, optional
Communication Port	CAN / RS485 / Wi-Fi, optional
Protection	Overcharge, overdischarge, overcurrent, short circuit, and overtemperature protection

Environment

Working Temperature	-10 deg C to +50 deg C
Storage Temperature	0 deg C to +30 deg C
Relative Humidity	0%-95%, non-condensing
Ingress Protection	IP20
Maximum Operating Altitude	<=1500 m
Storage Duration	6 months at 25 deg C

Mechanical

Product Size (L x W x D)	BL10240: 720 x 450 x 250 mm; BL15360: 800 x 450 x 250 mm
Package Size (L x W x D)	BL10240: 920 x 600 x 350 mm; BL15360: 1005 x 550 x 350 mm
Net Weight	BL10240: 90 kg; BL15360: 118 kg
Gross Weight	BL10240: 106 kg; BL15360: 134 kg

Certification & Service

Safety / Transport Documentation	UN38.3, MSDS
Certification Marks	CE, IEC
Warranty	5 years warranty for stable long-term operation
Customization	Product appearance and battery capacity support customization

Specifications are subject to change without notice. Product appearance may vary by configuration.

Product appearance and battery capacity support customization. Contact your Enerup distributor for service documentation.