



BL14336 / BL16076 Tower-Type LiFePO4 Battery

51.2 V | 280 / 314 Ah | 14.336 / 16.076 kWh

The Enerup BL14336 / BL16076 tower-type lithium battery series is designed for low-voltage energy storage applications with LiFePO4 cells, high-current charge and discharge capability, LCD display, and CAN / RS485 communication.

KEY FEATURES

Tower-Type Cabinet

Floor-standing design for residential and light commercial storage systems.

LiFePO4 Chemistry

Stable lithium iron phosphate battery platform for reliable operation.

High Current Capability

Up to 200 A continuous charge and discharge current.

CAN / RS485

Optional communication ports for inverter and 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	BL14336 / BL16076
Battery Type	LiFePO4
Nominal Voltage	51.2 VDC
Rated Capacity	280 Ah / 314 Ah
Rated Energy	14.336 kWh / 16.076 kWh
Continuous Charge / Discharge	200 A / 200 A
Communication	CAN / RS485
Product Size (L x W x H)	800 x 450 x 286 mm

TECHNICAL SPECIFICATIONS - BL SERIES

General

Models	BL14336 / BL16076
Product Type	Tower-type low-voltage lithium battery
Case Design	Tower
Battery Type	LiFePO4
Nominal Battery Voltage	51.2 VDC
Rated Capacity	BL14336: 280 Ah; BL16076: 314 Ah
Rated Energy	BL14336: 14336 Wh; BL16076: 16076 Wh

Electrical Performance

Float Charge Voltage	56.0 VDC
Operating Voltage Range	40.0-58.4 VDC
Max. Continuous Charge Current	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, 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 H)	800 x 450 x 286 mm
Package Size (L x W x H)	980 x 540 x 376 mm
Net Weight	118 kg
Gross Weight	132 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.