

enPrimo Lithium Battery

Model No - **ENP10051-WME-LV**

The ENP10051-WME-LV is a wall-mounted residential lithium battery designed for an Energy Storage System (ESS) applications. It is equipped with LiFePO₄ technology and an integrated LCD display, it ensures safe, efficient performance with real-time monitoring



enPrimo
Powering Brighter Tomorrow

Lithium Battery

Product Features



Modular Design

Supports up to 15 units in parallel, scalable from 5 kWh to 75 kWh without the need for an external controller.



Ultra Performance

- Provides 6000+ life cycles.
- supports a maximum 1C discharge rate.
- 80% depth of discharge (DOD) with advanced BMS, cell, and pack design.



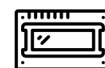
Wide Compatibility

Compatible with most hybrid and battery inverters for self-consumption, backup, and off-grid applications.



Intelligence

Advanced pre-charge and cell balancing capability with LCD monitoring.



Advanced LCD screen

Real-time monitoring of operation status by LCD Screen.

ENP10051-WME-LV series

Technical Specifications

Rated voltage	51.2V
Nominal capacity	100Ah
Nominal energy	5.12kWh
Array Mode	16S
Operating voltage range	42-58.4V
Recommended charge current	50A
Max. charge current	70A
Recommended discharge current	50A
Max. discharge current	100A
Communication	RS485 /CAN
Peak discharge current	101-105A@60S 130A@500ms
IP rating	IP20
Cycle life*	6000 cycles @80% DOD @25°C
Net weight	-46kg
Dimension(L*W*H)	560*470*170mm
Cell technology	Lithium-ferro phosphate (LiFePO4)
Install altitude	<4000m
Operation temperature	Charging: 0~60°C; Discharging: -10°C~60°C
Relative humidity	<90% RH
Install location	Indoor
Installation	Wall mounted

* Test conditions: 0.2C Charging & Discharging