

## enPrimo Lithium Battery

Model No - **ENP10051-RME-LV**

The ENP10051-RME-LV is a stack-mount residential lithium battery designed for an Energy Storage System (ESS) applications. It is equipped with LiFePO<sub>4</sub> technology and LED indicators, ensuring 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.



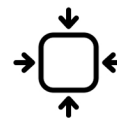
### Wide Compatibility

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



### Intelligence

Advanced pre-charge and cell balancing capability.



### Compact & Flexible

Standard height design. Optional bracket kits for different installation scenarios.

## ENP10051-RME-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	44Kg
Dimension(L*W*H)	520*495*175
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	Stack mounted

• Test conditions: 0.2C Charging & Discharging