



ENP10051RM-TB LV Series Battery

 **enPrimo**
Lithium Battery

ENP10051RM-TB LV series battery packs are rack type residential lithium batteries, designed entirely for residential ESS applications. With our battery technology, you can easily combine it with a mainstream inverter in different scenarios to save your electrical bill & back-up your power during grid outage or unavailable.

◉ Features



Safe & Reliable

Cobalt free with safe LiFePO4 chemistry, compliance with UL1973, IEC62619, CE, UN38.3, etc.



Modular

Support up to 32 units in parallel, scale from 5 kWh to 160 kWh configuration without external controller.



Ultra performance

More than 6000 cycles, support max. 1C discharge rate and 96% DOD, self-developed BMS/Cell/Pack to ensure best quality.



Compact & Flexible

3U(133mm) standard height design.
Optional bracket kits for different installation scenarios.



Compatibility

Compatible with almost all hybrid/battery inverter in self-consumption, back-up and off-grid applications.



Intelligence

Strong pre-charge and balancing capability.
Remote data history & firmware upgrading function via T-smart Cloud platform. (Pending)



Technical Specification		ENP10051RM-TB
Rated voltage		51.2V
Nominal capacity		100Ah
Nominal energy		5.12kWh
Usable energy		4.92kWh
Operating voltage range		44.8-56.0V
Charge voltage		56V
Float voltage		54.6V
Recommended charge current		50A
Max. charge current		70A
Recommended discharge current		50A
Max. discharge current		100A
Communication		RS485 /CAN
Peak discharge current		101~119A@5mins 120~149A@15S
IP rating		IP20
Cycle life		≥6000 cycles
Net weight		~47kg (103.6lb)
Dimension(W*H*D)		482*133.5*460mm (18.9*5.2*18.1 inch)
Cell technology		Lithium-iron phosphate(LiFePO4)
Install altitude		≤4000m
Noise emission		<29 dB
Operation temperature		-10~50°C
Storage temperature		-10~45°C
Relative humidity		5%~90%, No condensation
Install location		Indoor
Installation		Wall mounted/ Floor mounted/ Stack/ Rack mounted
Certification		CE/ IEC62619 / UL1973 / UN38.3