

## RACK MOUNTED LI-ION BATTERY



### SAFETY

- + Long life type prismatic LiFePO4 cells, suitable for energy storage application.
- + Low voltage system, safety for application.
- + Cell certification: IEC62619, UI1973, UL9540A, ROHS.
- + Battery certification: UN38.3, MSDS, CE



### DESIGN

- + Standard 19" rack design, 6U in height.
- + Flexible and easily installation, rack mounted.
- + -20~+55°C widely temperature range.
- + DC Breaker
  - 125A 1P for 100A product.
  - 200A 2P for 150A product.
  - 250A 2P for 200A product.
- + Maintenance free.



### SCALABILITY

- + Parallel support for more energy.
- + Communication compatible with the major inverter manufacturers
- + Optional: Bluetooth Module.



### BATTERY MANAGEMENT SYSTEM

- + Independent protection for charge and discharge.
- + SOC, Alarm, Run display and PC software for detailed operation.
- + OVP, LVP, OCP, OTP, LTP protection.
- + RS485,CAN communication port for inverter and Link in& out for battery to battery communication.

## RACK MOUNTED LI-ION BATTERY SPECIFICATION

Part Number			
Model	R-LFP51.2V200Ah -100A	R-LFP51.2V200Ah -150A	R-LFP51.2V200Ah -200A
Nominal Voltage [V]	51.2		
Nominal Capacity [Ah]	200		
Total Energy [Wh]	10240		
Dimension (W*D*H, mm)	442*550*250		
Weight [Kg]	82.4		
Max. Charging Current [A]	100	150	200
Max. Discharging Current [A]	100	150	200
Pulse Discharge Current	150A @2S	180A @2S	240A @2S
Charging Voltage [V]	55.2~57.6		
End of Discharge Voltage [V]	44.8 (Backup Application) / 48 (Cycle Application)		
Operation Humidity	0~95% RH (No condensing)		
Operating Temperature Range	Charge: 0 ~ +55°C; Discharge: -20 ~ +55°C		
Cycle Life <sup>(1)</sup>	>3500		
Designed Calendar Life	10 Years		
Communication interface	For inverter : RS485, CAN For battery to battery: LINK-IN, LINK-OUT		
Protection	Over voltage , Low voltage, Over current, Over Temperature, Low Temperature, Short circuit		
Parallel Support <sup>(2)</sup>	Yes, Max. 15 Sets		
Series Support	Not support		
Optional Parts	Bluetooth Module,		

Note:

(1) 25°C, 0.5C /0.5C , 90%DOD to 80% of initial capacity.

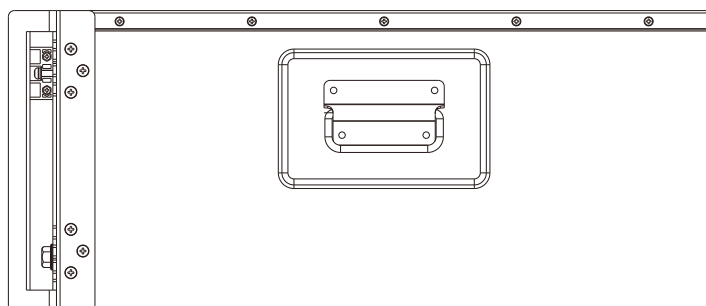
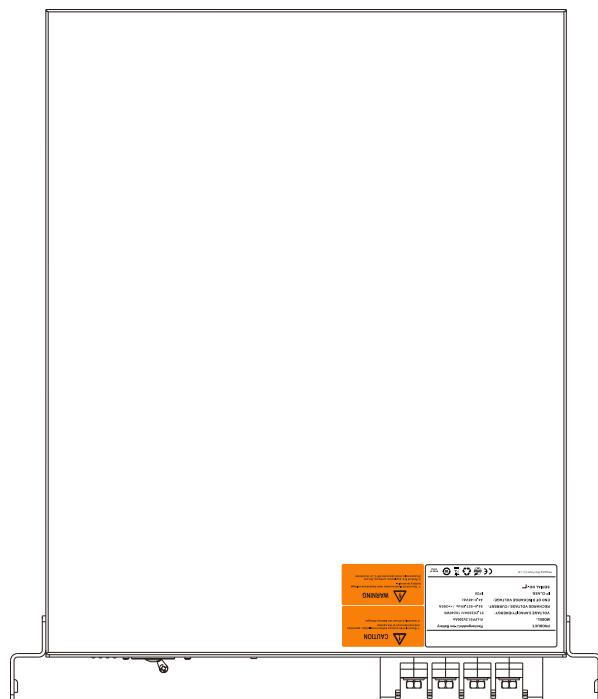
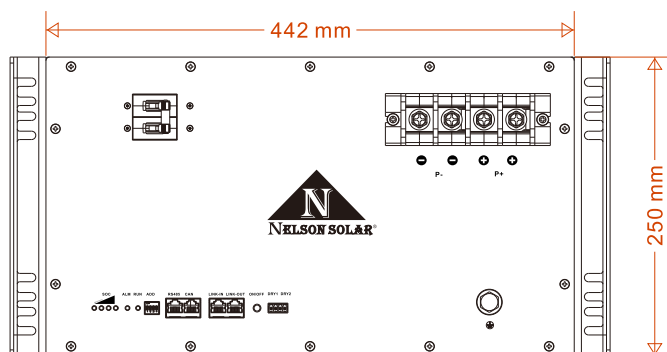
(2) For parallel connection, refer to user manual.

LI-ION BATTERY

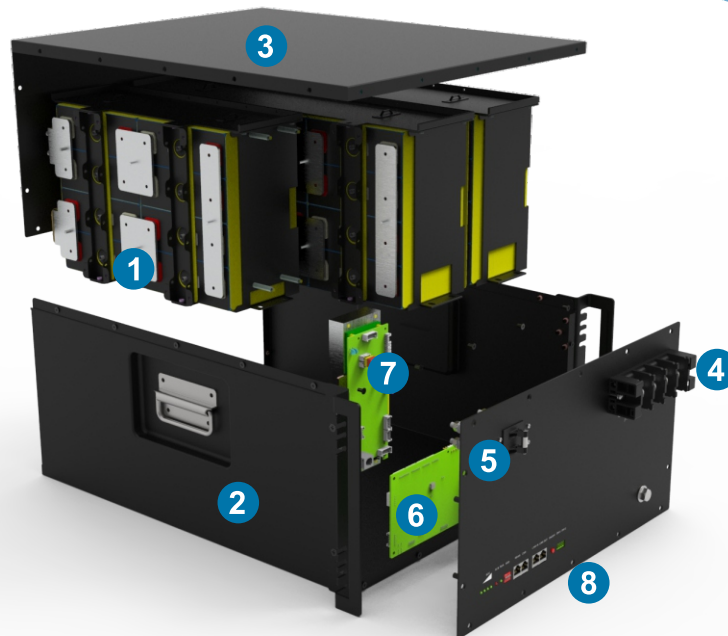
51.2V200Ah



## Dimension



## INTERNAL STRUCTURE DIAGRAM



- |   |                        |
|---|------------------------|
| ① Cell - 3.2V104Ah, 2P16S                             | ⑤ DC breaker           |
| ② Container - SPCC with black painting                | ⑥ BMS for 100A, 150A   |
| ③ Cover - SPCC with black painting                    | ⑦ BMS for 200A current |
| ④ Power Terminal -<br>M6 for 100A, M8 for 150A / 200A | ⑧ Communication port   |

## Optional Parts: Bluetooth module & APP



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