

# LFP-M-R

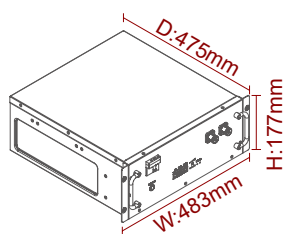
## Rack Type LiFePO4 Battery Pack



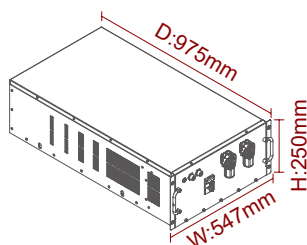
### • Features

- Up to 5 layers can be stacked ,unified convergence.
- IP21 Protection.
- 51.2Vdc 14.33KWH /5.12KWH rated capacity.
- Unique automatic calibration active banlancing technology BMS system.
- 51.2Vdc voltage output suitable for home energy storage system, small commercial scenarios and other applications.
- Standard CAN &RS485 communication port, can meet the requirement of several packages to connect in parallel, Master & Slave relationship, Monitor and other functions.Compatible with other brand inverters' communication protocols.

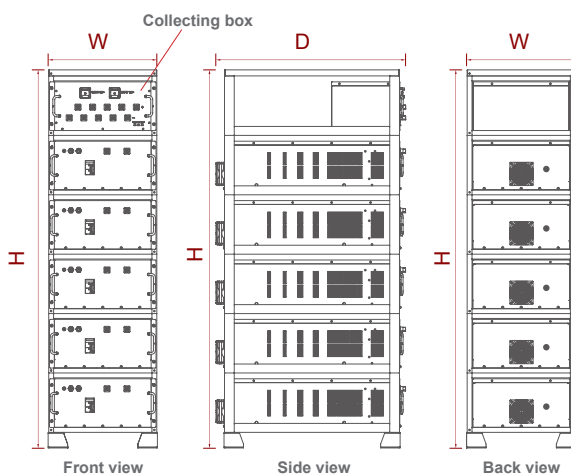
### • Product Dimensions



LFP-M48100R1



LFP-M48280R1



#### 5-Layer Rack Size:

Model	Size(W*D*H)
LFP-M48100R1	496*479*1522mm
LFP-M48280R1	561*975*1941mm


**• Technical Parameter**

LFP-M Rack type LiFePO4 Battery Pack		
Specifications		
Model	LFP-M48100R1	LFP-M48280R1
Rated Voltage	51.2V	
Rated Capacity	100AH	280Ah
Rated Energy	5.12KWH	14.33KWH
Cell Configuration	16S1P	16S1P
Battery Cell	3.2V 100AH	3.2V 280AH
Standard Charge		
Operation temperature range @charging	0~60°C	
Rated charge voltage	56.8V	
Max charge voltage	58.4±0.4V	
Over charge protection	59.2V	
Allowed MAX charge current	100A	140A
Peak charge current	110A 3S	160A 2S
Rated charge current	50A	140A
Recommended charge method	CC-CV	
Standard Discharge		
Operation temperature range @discharging	-20~60°C	
Output Voltage Range	44.8~57.6V	
Discharge Cut-off voltage	42.4V	
Allowed MAX discharge current	110A	140A
Peak discharge current	110A 3S	160A 2S
Rated discharge current	100A	140A
Recommend discharge current	100A	140A
Mechanical Characteristics		
Dimension W*D*H	483*475*177mm	547*975*250mm
Weight(N.W)	52KG	130KG
Communication		
RS485	PC control and monitor	
CAN	Inverter PC control and monitor	
Storage and Transportation Requirements		
Storage Temperature	Less than 1 month	-20~35°C
	Less than 6 month	-10~30°C
Storage Humidity	45~75%RH	
SOC	Storage	60~75%SOC
	Transport	45~55%SOC