

# LFP 2.56/5.12/10.24kWh

## LiFePO4 Battery Pack



### • Features

- IP31 Protection, Indoor use only.
- Long cycle life 4000 times.
- High reliability intelligent BMS .
- 12.8Vdc/25.6Vdc/51.2Vdc, 2.56KWH/5.12KWH/10.24KWH rated capacity.
- 12.8Vdc/25.6Vdc/51.2Vdc voltage output suitable for home energy storage system, communication stations and other applications.
- Standard CAN & RS485 communication port

**• Technical Parameter**

LFP 2.56/5.12/10.24kWh LiFePO4 Battery Pack							
Specification							
Model	LFP12200M	LFP24100M	LFP12400H	LFP24200H	LFP48100H	LFP24400H	LFP48200H
Rated Voltage	12.8V	25.6V	12.8V	25.6V	51.2V	25.6V	51.2V
Rated Capacity	200Ah	100Ah	400Ah	200Ah	100Ah	400Ah	200Ah
Rated Energy	2.56KWH		5.12KWH		10.24KWH		
Cell Configuration	4S2P	8S1P	4S4P	8S2P	16S1P	8S4P	16S2P
Battery Cell	3.2V100AH 8PCS		3.2V100AH 16PCS		3.2V100AH 32PCS		
Standard Charge							
Operation temperature range @charging	0~60°C						
Rated charge voltage	13.8±0.1V	27.6±0.2V	13.8±0.1V	27.6±0.2V	55.2±0.4V	27.6±0.2V	55.2±0.4V
Max charge voltage	14.2±0.1V	28.4±0.2V	14.2±0.1V	28.4±0.2V	56.8±0.4V	28.4±0.2V	56.8±0.4V
Overcharge protection	14.6±0.1V	29.2±0.2V	14.6±0.1V	29.2±0.2V	58.4±0.4V	29.2±0.2V	58.4±0.4V
Allowed MAX charge current	220A 30s	110A 30s	440A 30s	220A 30s	110A 30s	440A 30s	220A 30s
Peak charge current	240A 5s	120A 5s	480A 5s	240A 5s	120A 5s	480A 5s	240A 5s
Rated charge current	200A	100A	400A	200A	100A	400A	200A
Recommend charge current	<200A	<100A	<400A	<200A	<100A	<400A	<200A
Standard Discharge							
Operation temperature range @discharging	-35~60°C						
Output Voltage Range	10-14Vdc	20~28Vdc	10-14Vdc	20~28Vdc	40~56Vdc	20~28Vdc	40~56Vdc
Recommend Working Range	11.5~13.5Vdc	23~27Vdc	11.5~13.5Vdc	23~27Vdc	46~54Vdc	23~27Vdc	46~54Vdc
Discharge Cut-off voltage	10V	20V	10V	20V	40V	20V	40V
Allowed MAX discharge current	220A 30s	110A 30s	440A 30s	220A 30s	110A 30s	440A 30s	220A 30s
Peak discharge current	240A 5s	120A 5s	480A 5s	240A 5s	120A 5s	480A 5s	240A 5s
Rated discharge current	200A	100A	400A	200A	100A	400A	200A
Recommend discharge current	<200A	<100A	<400A	<200A	<100A	<400A	<200A
Mechanical Characteristics							
Dimension H*W*D	450*260*185mm		516*550*187mm		850*550* 187mm		
Shipping H*W*D	500*360*315mm		616*614*290mm		1000*670*400mm		
Weight(N.W.)	26KG		48KG		100KG		
Weight(G.W.)	29KG		53KG		110KG		
Communication							
RS485	For LCD remote						
CAN	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				