

# LFP24400H&48200H



## General Information

Our LFP battery pack is an off-grid system, helps you manage your power as a personal resource. It optimizes integration of solar, utility, generator-off grid and protects your home and mission critical business functions from power outages and intermittency.

## Basic Specification

Battery		Description	
<b>Normal specification</b>			
	Model	LFP24400H	LFP48200H
1	Rated Voltage	25.6V	51.2V
2	Rated Capacity	400Ah	200Ah
3	Rated Energy	10.24KWH	
4	Cell Configuration	8S4P	16S2P
5	Battery Cell	3.2V100AH 32PCS	
<b>Standard Charge</b>			
1	Operation temperature range @charging	0~45°C	0~45°C
2	Rated charge voltage	27.6±0.2V	55.2±0.4V
3	Max charge voltage	28.4±0.2V	56.8±0.4V
4	Overcharge protection	29.2±0.2V	58.4±0.4V
5	Allowed MAX charge current	220A withstand 30s	110A withstand 30s
6	Peak charge current	240A withstand 5s	120A withstand 5s
7	Rated charge current	200A	100A
8	Recommend charge current	<200A	<100A
<b>Standard discharge</b>			
1	Operation temperature range @discharging	-20~60°C	-20~60°C
2	Output Voltage Range	20~28Vdc	40~56Vdc
3	Recommend Working Range	23~27Vdc	46~54Vdc
4	Discharge Cut-off voltage	20V	40V
5	Allowed MAX discharge current	440A withstand 30s	220A withstand 30s
6	Peak discharge current	480A withstand 5s	240A withstand 5s
7	Rated discharge current	400A	200A
8	Recommend discharge current	<400A	<200A
<b>Communication</b>			
1	RS485	For LCD remote	
2	CAN	PC control and monitor	

<b>Storage and Transportation requirements</b>			
1	Storage Temperature	Less than 1 month	-20~35°C
		Less than 6 month	-10~30°C
2	Storage Humidity		45~75%RH
3	SOC	Storage	60~75% SOC
		Transport	45~55% SOC

<b>Mechanical Characteristics</b>				
LFP24400H LFP48200H	Dimension H*W*D	Shipping H*W*D	Weight(N.W.)	Weight(G.W.)
	850*550*187mm	1000*670*400mm	100KG	110KG