

LFP12200M&24100M



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	
Normal specification			
	Model	LFP12200M	LFP24100M
1	Rated Voltage	12.8V	25.6V
2	Rated Capacity	200Ah	100Ah
3	Rated Energy	2.56KWH	
4	Cell Configuration	4S2P	8S1P
5	Battery Cell	3.2V100AH 8PCS	
Standard Charge			
1	Operation temperature range @charging	0~45°C	0~45°C
2	Rated charge voltage	13.8±0.1V	27.6±0.2V
3	Max charge voltage	14.2±0.1V	28.4±0.2V
4	Overcharge protection	14.6±0.1V	29.2±0.2V
5	Allowed MAX charge current	110A withstand 30s	55A withstand 30s
6	Peak charge current	120A withstand 5s	60A withstand 5s
7	Rated charge current	100A	50A
8	Recommend charge current	<100A	<50A
Standard discharge			
1	Operation temperature range @discharging	-20~60°C	-20~60°C
2	Output Voltage Range	10~14Vdc	20~28Vdc
3	Recommend Working Range	11.5~13.5Vdc	23~27Vdc
4	Discharge Cut-off voltage	10V	20V
5	Allowed MAX discharge current	220A withstand 30s	110A withstand 30s
6	Peak discharge current	240A withstand 5s	120A withstand 5s
7	Rated discharge current	200A	100A
8	Recommend discharge current	<200A	<100A
Communication			
1	RS485	For LCD remote	
2	CAN	PC control and monitor	

Storage and Transportation requirements			
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

Mechanical Characteristics				
LFP12200M LFP24100M	Dimension H*W*D	Shipping H*W*D	Weight(N.W.)	Weight(G.W.)
	450*260*185mm	500*360*315mm	26KG	29KG