

LFP12400H&24200H&48100H



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 | LFP12400H | LFP24200H | LFP48100H |
| 1 | Rated Voltage | 12.8V | 25.6V | 51.2V |
| 2 | Rated Capacity | 400Ah | 200Ah | 100Ah |
| 3 | Rated Energy | 5.12KWH | | |
| 4 | Cell Configuration | 4S4P | 8S2P | 16S1P |
| 5 | Battery Cell | 3.2V100AH 16PCS | | |
| Standard Charge | | | | |
| 1 | Operation temperature range @charging | 0~45°C | 0~45°C | 0~45°C |
| 2 | Rated charge voltage | 13.8±0.1V | 27.6±0.2V | 55.2±0.4V |
| 3 | Max charge voltage | 14.2±0.1V | 28.4±0.2V | 56.8±0.4V |
| 4 | Overcharge protection | 14.6±0.1V | 29.2±0.2V | 58.4±0.4V |
| 5 | Allowed MAX charge current | 220A withstand 30s | 110A withstand 30s | 55A withstand 30s |
| 6 | Peak charge current | 240A withstand 5s | 120A withstand 5s | 60A withstand 5s |
| 7 | Rated charge current | 200A | 100A | 50A |
| 8 | Recommend charge current | <200A | <100A | <50A |
| Standard discharge | | | | |
| 1 | Operation temperature range @discharging | -20~60°C | -20~60°C | -20~60°C |
| 2 | Output Voltage Range | 10~14Vdc | 20~28Vdc | 40~56Vdc |
| 3 | Recommend Working Range | 11.5~13.5Vdc | 23~27Vdc | 46~54Vdc |
| 4 | Discharge Cut-off voltage | 10V | 20V | 40V |
| 5 | Allowed MAX discharge current | 440A withstand 30s | 220A withstand 30s | 110A withstand 30s |
| 6 | Peak discharge current | 480A withstand 5s | 240A withstand 5s | 120A withstand 5s |
| 7 | Rated discharge current | 400A | 200A | 100A |
| 8 | Recommend discharge current | <400A | <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 | | | | |
|-------------------------------------|-----------------|----------------|--------------|--------------|
| LFP12400H LFP24200H LFP48100H | Dimension H*W*D | Shipping H*W*D | Weight(N.W.) | Weight(G.W.) |
| | 516*550*187mm | 616*614*290mm | 48KG | 53KG |