

**12V LiFePO4 LITHIUM BATTERY AN-LFP-A 100AH/200AH/300AH**



»» Features

- Using the technology of lithium iron phosphate cell, superior safety, thousands of cycles, 100%DOD, under normal conditions;
- Built-in automatic protection for over-charge, over discharge, over current and over temperature;
- Free of maintenance;
- Internal cell balancing;
- Lighter weight: About 40% ~50% of the weight of a comparable lead acid battery;
- Wider temperature range:-20°C~60°C;
- Built-in anti-dusk kit for harsh environment;
- Support for Series application expansion;
- Intelligent battery management system high reliability BMS;
- Replacement for lead-acid battery

MODEL	AN-LFP12100A	AN-LFP12200A	AN-LFP12300A
<b>ELECTRICAL CHARACTERISTICS</b>			
Nominal Voltage	12.8V	12.8V	12.8V
Nominal Capacity	100 Ah	200 Ah	300 Ah
Energy	1280 Wh	2560 Wh	3840 Wh
Cycle Life	>3000 Cycles @0.5C	>3000 Cycles @0.5C	≥6000 Cycles @0.5C
<b>CELL</b>			
Capacity	100AH	200AH	300AH
Rated Voltage	3.2V		
Combination Method	4S1P		
<b>STANDARD CHARGE</b>			
Charge Voltage	14.4V±0.2V		
Charge Mode	0.5C to 14.4V, then 14.4V, charge current to 0.02C(CC/Cv)		
Charge Current	50A	100A	150A
Max. Charge Current	100A	150A	150A
<b>STANDARD DISCHARGE</b>			
Max. Continuous Current	100A	150A	150A
Discharge Cut-off Voltage	10V	10V	10V
<b>ENVIRONMENTAL</b>			
Charge Temperature	0°C to 55 °C(32F to 113F)@60±25% Relative Humidity		
Discharge Temperature	-20 °C to 55 °C (-4F to 140F) @60±25% Relative Humidity		
Storage Temperature	0 °C to 40 °C(32F to 104F)@60+25%Relative Humidity		
<b>MECHANICAL</b>			
Plastic Case	ABS		
Dimensions(mm)	318*184*196mm	302*214*258mm	379*218*262mm
Weight(kg)	9.5KG	19.5KG	26KG

»» Product Dimension

