



# 12~24V~48V LiFePO4 Battery



**Basic function**  
over-charge, over-discharge,  
over-current, short circuit  
high-temp sensor



**Smart design**  
Waterproof and moisture-proof  
battery design



**>6000**  
Cycle Life@25°C



**Light weight**  
45% Lighter Weight



**OEM service**  
Logo branding, custom case color,  
LCD display, Bluetooth, USB / Type  
C Cigarette Lighter, Auto-heating,  
GPS tracking and etc



**Parallel**  
Support multiple series  
and parallel connections.

**TAICO 12.8V LiFePO4 Battery, support for  
OEM and can serial into 24V, 36V and 48V  
systems.**

**Connection in Series/Parallel**

**Up to 4 Batteries in Series=51.2V 200Ah**

**Up to 4 Batteries in Parallel=12.8V 800Ah**

**Up to 4s x 4P Batteries= 51.2V 800Ah**

Removable Battery Lid Easily  
Battery Inside

Built-in smart BMS

Grade A Battery Cells

ABS shell



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# Integrated Bluetooth monitoring

## Bluetooth monitoring

### Always keep an eye on battery status

With the integrated Bluetooth monitoring, you always have an overview of all important battery data on your smartphone or tablet. Among other things, the app displays the following data in real time:

- Battery charge level in % (SoC)
- Remaining capacity
- Charge and discharge switch
- Battery voltage
- Single string cell temperature
- Battery status

Battery charge level in % (SoC)

Remaining capacity

Remaining capacity

Battery voltage

Single string cell temperature

Battery status



## Absolutely safe.

Batteries are based on the the safest lithium technology--lithium iron phosphate technology . Each battery consists of a highly powerful lithium iron phosphate (LiFePo4) battery and an integrated battery management system(BMS).This constantly monitors the status of the individual cells and against them overcharging, overdischarging , over voltage and over temperature ect . It can prevent environmental impacts or damage caused by incorrect use in advance.



# Application



SOLAR

OUTDOOR ACTIVITIES

RV & CAMPER

BOAT & FISHING

# Function Parameter



Product number	LFP12-50	LFP12-100	LFP12-150	LFP12-200	LFP12-300	LFP12-400
Norminal Battery Energy	640WH	1280WH	1920WH	2560WH	3840WH	5120WH
Norminal Capacity	50Ah	100Ah	150Ah	200Ah	300Ah	400Ah
Norminal Voltage	12.8V					
Dimensions (mm)	229*138*208	329*172*220	483*170*240	522*238*218	520*267*220	520*267*220
Weight (kg)	6kg	12kg	25kg	25kg	36kg	45kg
Internal Resistance	≤30mΩ					
Cycle Life	>4000					
Self Discharge Rate / Month	<3%					
<b>Charge Data</b>						
DC Normal Charge Voltage	14.4-14.6V					
Charge Mode	0.2C to 14.6V, then 14.6V,charge current to 0.02C (CC/CV)					
Recommended Charger Current	<0.2C					
Allowed Max.Charge Current	<0.5C					
Charge Cut-off Voltage	14.6±1Vdc					
<b>Discharge Data</b>						
Continuous Discharge Current	0.5C					
Allowed Max. discharge current	1C					
Discharge cut-off voltage	20V					
<b>Working Condition</b>						
Charge Temperature	0°C to 45°C(32°F to 113°F)					
Discharge Temperature	-20°C to 60°C(4°F to 140°F)					
Storage Temperature	0°C to 40°C(32°F to 104°F)					
Enclosure Protection Level	IP54					
<b>Mechanical Data</b>						
Cell&Capacity	LiFePO4 Battery					
Case material	ABS					

# Function Parameter



Product number	LFP25.6-100	LFP25.6-200	LFP48-100
Norminal Battery Energy	2560WH	5120WH	5120WH
Norminal Capacity	100Ah	200Ah	100Ah
Norminal Voltage	25.6V		51.2V
Dimensions (mm)	522*238*218	522*267*218	522x267x218
Weight (kg)	25kg	45kg	45kg
Internal Resistance	≤30mΩ		
Cycle Life	>6000		
Self Discharge Rate / Month	<3%		
<b>Charge Data</b>			
DC Normal Charge Voltage	29.2V		58.4V
Charge Mode	0.2C to 29.2, then 29.2,charge current to 0.02C (CC/CV)		0.2C to 58.4 , then 58.4,charge current to 0.02C (CC/CV)
Recommended Charger Current	<0.2C		
Allowed Max.Charge Current	<0.5C		
Charge Cut-off Voltage	29.2 ± 0.2V		58.4+ 0.2V
<b>Discharge Data</b>			
Continuous Discharge Current	0.5C		
Allowed Max. discharge current	1C		
Discharge cut-off voltage	37.5V		
<b>Working Condition</b>			
Charge Temperature	0°C to 45°C(32°F to 113°F)		
Discharge Temperature	-20°C to 60°C(4°F to 140°F)		
Storage Temperature	0°C to 40°C(32°F to 104°F)		
Enclosure Protection Level	IP54		
<b>Mechanical Data</b>			
Cell&Capacity	LiFePO4 Battery		
Case material	ABS		