

**MERITSUN**<sup>®</sup>  
The Best Power In The Sun

# STACKABLE RACK MODULE LIFEPO4 BATTERY

Telecom / Solar System / AC Energy Storage / UPS

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## 01 Product Introduction

### MERITSUN RACK MODULE LIFEPO4 BATTERY

series is a range of 24V/48V LiFePO4 (Lithium Iron phosphate), for a wide variety of applications, such as telecom base station, UPS, renewable energy system, etc., with advanced life, standard size, light weight and strong environmental adaptability. Configuring Meritsun's autonomous innovated and developed battery management system (BMS), long cycles use, and suitable for applying a daily charged application scenario like home solar.

To provide the excellent use experience, the battery is with unique design from its compatibility, energy density, operability... You deserve to have the best!

## 02 Product Advantages



LCD Device



Standard Module



Premium Module

- Patented BMS Technologies
- Unlimited Units Parallel Supported
- 19 inch Standard Size Designed

(Optional)



SNMP V3



GPRS



CANBUS



RS485



RS232



GPS



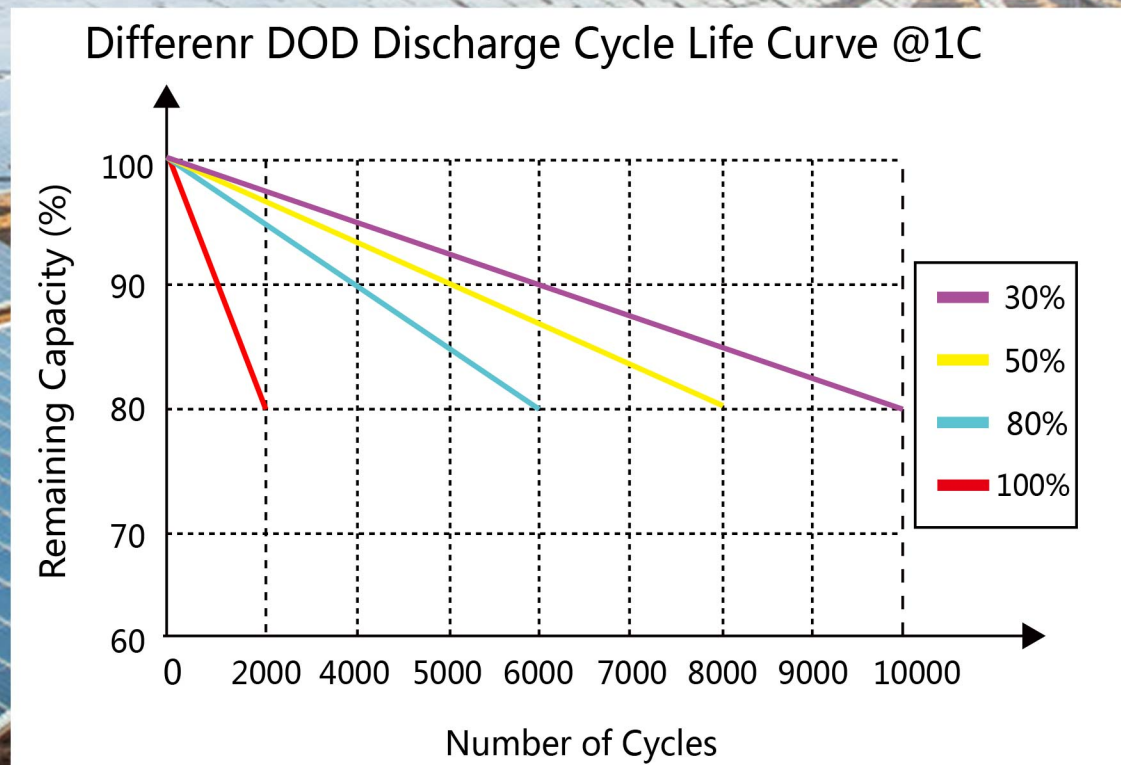
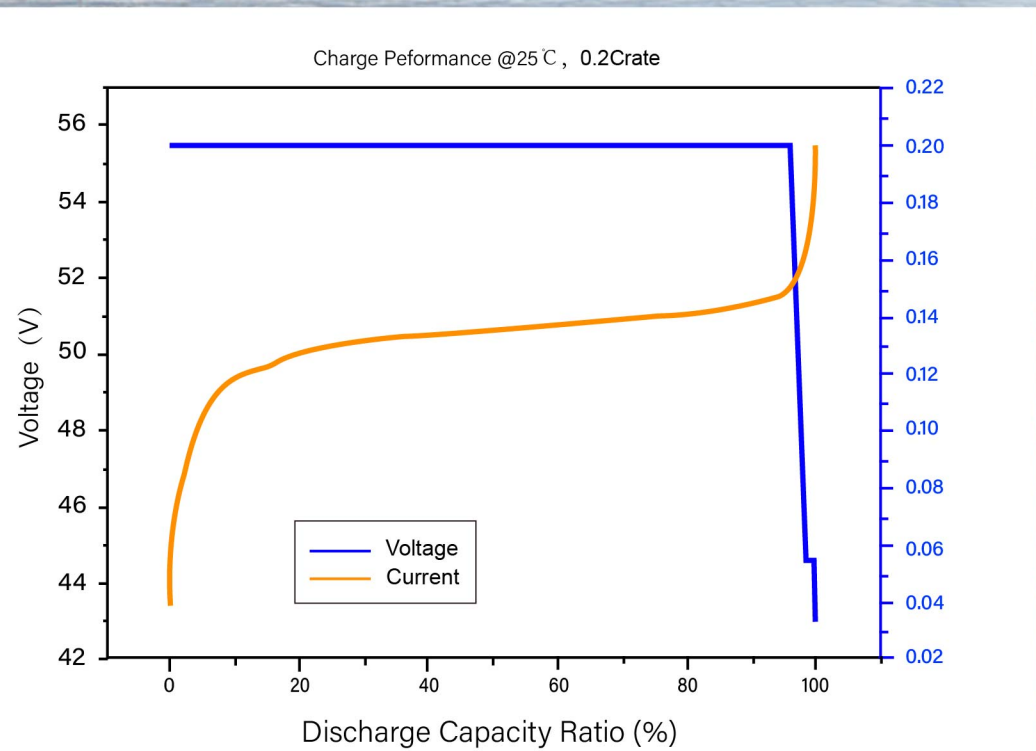
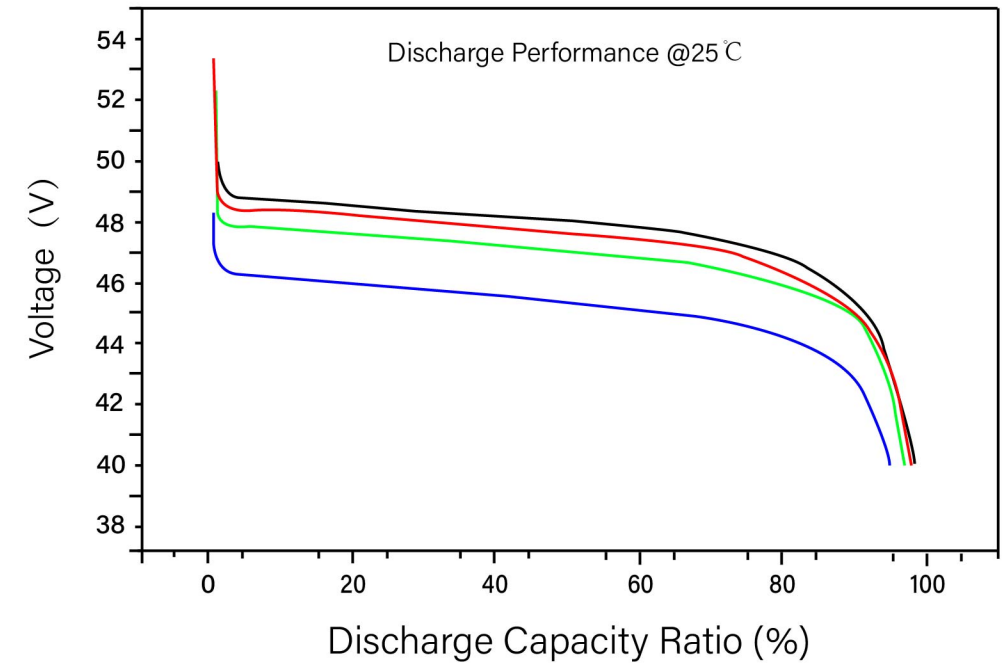
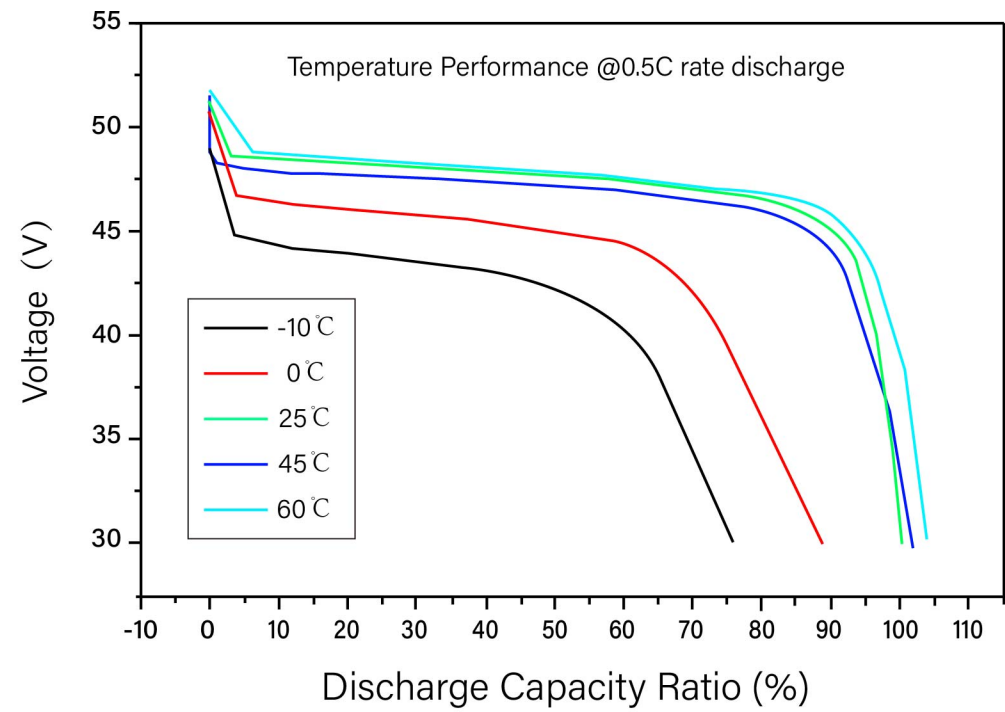
## 03 Standard Deep Cycle Specification

Battery Model	C4 LFP25.6V 100Ah	C4 LFP25.6V 200Ah	C4 LFP25.6V 400Ah	C4 LFP48V 50Ah	C4 LFP48V 100Ah	C4 LFP48V 200Ah
<b>Rated Capacity</b>	100Ah	200Ah	400Ah	50Ah	100Ah	200Ah
<b>Factory Voltage</b>	24.4-26.96V	24.4-26.96V	24.4-26.96V	49.5-50.5V	49.5-50.5V	49.5-50.5V
<b>Voltage at end of Discharge</b>	21.25-22.75V	21.25-22.75V	21.25-22.75V	39.5-40.5V	40.5-42.5V	40.5-42.5V
<b>Charging Voltage</b>	28.4-28.8V	28.4-28.8V	28.4-28.8V	53.2-54V	53.2-54V	53.2-54V
<b>Constant Current Standard Charge</b>	20A	20A	80A	10A	20A	40A
<b>Constant current Standard Discharge</b>	20A	20A	80A	10A	20A	40A
<b>Maximum Continuous Charge Current</b>	100A	100A	100A	50A	100A	100A
<b>Maximum Continuous Discharge Current</b>	100A	100A	100A	50A	100A	100A
<b>Charging and Discharging Working Temperature Range</b>	Charge: 0~45℃ Discharge: -20~55℃	0~45℃ -20~55℃	0~45℃ -20~55℃	0~45℃ -20~55℃	0~45℃ -20~55℃	0~45℃ -20~55℃
<b>Storage Temperature Range</b>	Less than 12 months : -10~35℃ ; Less than 3 months: -10~45℃ ; Less than 7 day : -20~65℃ )					
<b>Dimensions</b>	442*385*132 mm	442*410*220 mm	442*450*250 mm	442*385*132 mm	442*410*220 mm	442*450*250 mm
<b>Weight</b>	28 kg	45 kg	79 kg	26 kg	43 kg	75 kg
<b>Enclosure Protection Rating</b>	IP21	IP21	IP21	IP21	IP21	IP21
<b>Cycle Life</b>	≥4000	≥4000	≥4000	≥4000	≥4000	≥4000

## 04 Premium Long Life Specification

Battery Model	C6 LFP25.6V 100Ah	C6 LFP25.6V 200Ah	C6 LFP25.6V 400Ah	C6 LFP48V 50Ah	C6 LFP48V 100Ah	C6 LFP48V 200Ah
<b>Rated Capacity</b>	100Ah	200Ah	400Ah	50Ah	100Ah	200Ah
<b>Factory Voltage</b>	24.4-26.96V	24.4-26.96V	24.4-26.96V	49.5-50.5V	49.5-50.5V	49.5-50.5V
<b>Voltage at end of Discharge</b>	21.25-22.75V	21.25-22.75V	21.25-22.75V	39.5-40.5V	40.5-42.5V	40.5-42.5V
<b>Charging Voltage</b>	28.4-28.8V	28.4-28.8V	28.4-28.8V	53.2-54V	53.2-54V	53.2-54V
<b>Constant Current Standard Charge</b>	20A	20A	40A	10A	20A	40A
<b>Constant current Standard Discharge</b>	20A	20A	20A	10A	20A	40A
<b>Maximum Continuous Charge Current</b>	100A	100A	100A	50A	100A	100A
<b>Maximum Continuous Discharge Current</b>	100A	100A	100A	50A	100A	100A
<b>Charging and Discharging Working Temperature Range</b>	Charge: 0~45℃ Discharge: -20~55℃	0~45℃ -20~55℃	0~45℃ -20~55℃	0~45℃ -20~55℃	0~45℃ -20~55℃	0~45℃ -20~55℃
<b>Storage Temperature Range</b>	Less than 12 months : -10~35℃ ; Less than 3 months: -10~45℃ ; Less than 7 day : -20~65℃ )					
<b>Dimensions</b>	442*385*132 mm	442*410*220 mm	442*450*250 mm	442*385*132 mm	442*410*220 mm	442*450*250 mm
<b>Weight</b>	28 kg	45 kg	79 kg	26 kg	43 kg	75 kg
<b>Enclosure Protection Rating</b>	IP21	IP21	IP21	IP21	IP21	IP21
<b>Cycle Life</b>	≥6000	≥6000	≥6000	≥6000	≥6000	≥6000

## 05 Discharge Curve



## 06 Success Case



■ Telecom Base Station Project



■ School Project



■ Agricultural Irrigation Project



■ Bank Project

## 07 Applications

