



Dongjin Power Co.,Ltd.

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## **SPECIFICATION**

**Rack mounted 48V100AH LiFePO4 battery**

## 1. Scope

The specification applies to the referenced rack mounted LiFePO4 battery manufactured by Dongjin Power Co.,Ltd.

This 48V series is designed for Communication base station,Energy storage,Solar and UPS applications.The battery module integrates LiFePO4 cells with intelligent Battery Management System and optional communication kits. The BMS protects battery from over charge, over discharge, over current, over temperature, reverse connection, which makes it safe and stable to run.Communication interface makes it possible to be monitored through RS ports.

## 2. Feature

Packed with High performance LiFePO4 battery cell, reliable safety, long service life

Packed with built in BMS, multiple protections, wide operating temperature range.

Integrated LED indicator, indicating battery SOC, operating status.

Modular design, flexible to install and extend capacity.



**3. Specification**

	Item	Parameter	Remarks
Battery pack	Nominal Capacity	100Ah	Discharge Current : 0.2C Cut-off Voltage:40V
	Nominal Voltage	51.2V	
	Energy	5120Wh	
	Charge Voltage	58.4V	
	Discharge cut-off voltage	40V	
	Charge Method	CC/CV	
	Standard Charge Current	50A	
	Max. Charge Current	100A	
	Standard Discharge Current	50A	
	Max. Continues Discharge current	100A	
	Cycle Life	>5000 times	80%DOD,@25°C
	Internal Impedance	≤40mΩ	
	Dimension	482X480x222mm	Customized
	Weight	Approx.45kg	
	Working Temperature Range	Charge: 0°C--45°C Discharge: -20°C--60°C	
Storage Temperature	-10°C--45°C		
Storage Humidity	65±20%		

**4. Product picture**

