



# LiFePO4 Battery BF48100-D (48V100Ah)

## Features

**Standard size:** it can be installed in a standard 19" cabinet. Height is 3U only, saving cabinet space.

**Lower usage cost:** Longer cycle life, Lower usage cost;

**Wider discharge temperature range:** -20~65°C.

**Superior safety:** High safety lithium iron phosphate cell, equipped with high-precision BMS, to ensure Safe operation of battery pack;

**Intelligent BMS:** can communicate with FSU, real-time monitoring and remote control battery string status, anti-theft (gyroscope and software), alarm model output etc.

**Two-way DCDC:** can be mixed with lead acid battery;



Length\*Width\*Height: 442\*400\*132mm  
(Excluded terminals, handles & mounting ears)

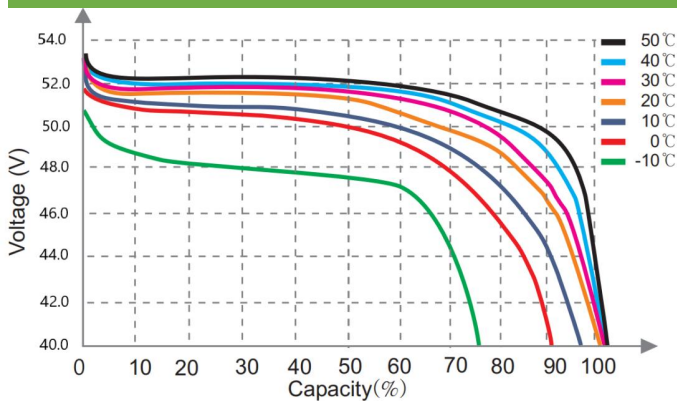
## Applications

Communication base station, server room etc

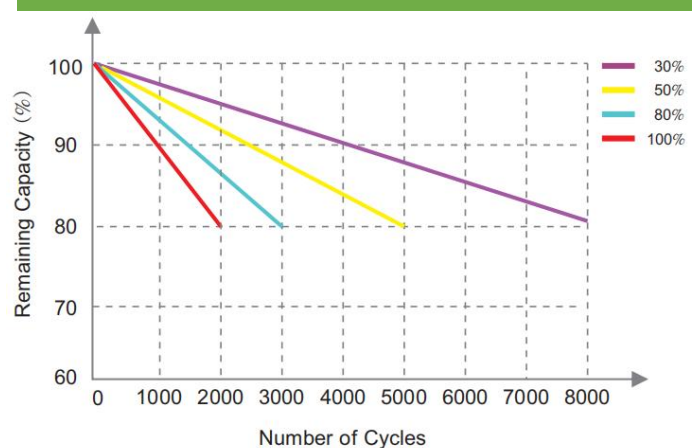
## Specification

Nominal voltage	48V	Nominal capacity	100Ah
Energy	4.8KWh	Cycle life	3000 cycles @25°C,0.2,C,80%DOD
Charge voltage	≤54.75V	Discharge voltage	≥37.5V
Charge current	100A	Discharge current	≤100A
Charge temperature	0~45°C	Discharge temperature	-20~65°C
Storage temperature	0~45°C	Self-discharge rate	≤3%/month
Shell material	Q235	IP class	IP30
N.W:	~46Kg	Material system	Lithium Iron Phosphate (LFP)
Terminals	M6	Option functions	Gyroscope, heating film, fire fighting
Protective function	Over-current,Over-voltage,Low-voltage,Over-temperature,Low-temperature,Short-circuit protection etc		
Communication interfaces	CAN & RS485		
Other functions	Current limit of charge and discharge (Max.110A), anti-reverse connection, dry contact, equalizing current control, Cell voltage balance, bi-directional DCDC, data storage;		

Discharge voltage curve at Different temperature



Cycle life at different DOD



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