



# LFP12-100 LBT (12.8V 100Ah)

## Specifications

Nominal Voltage	12.8V
Rated Capacity (10HR)	100Ah
Weight	15 kg
Energy	1280Wh
Cycle Life	>3000cycles @0.5C, 25°C, 80% DOD
Self Discharge	2% per Month
Max. Modules in Series/Parallel	4S/20P
Dimensions	Length 355 mm
	Width 176 mm
	Container Height 190 mm
	Total Height 190 mm
Terminal Type	DIN
Battery Housing	ABS
Housing Protection	IP65
Cell Type-Chemistry	LiFePO4 Prismatic Cell
Protection	Over charge, Over Discharge, Over Temperature, Over Current, Short Circuit
Parallel Support	Max. 2 sets
Series Support	Max. 4 Sets

## Performance

- Long Cycle Life>3000 cycles @80% DOD.
- High Density, High Discharge Current, High Temperature Range.
- Low Weight, Free Maintenance.
- Fast Charging.
- Environment Friendly.



## Description and Features

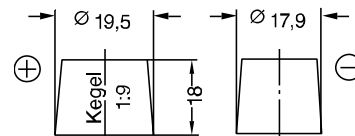
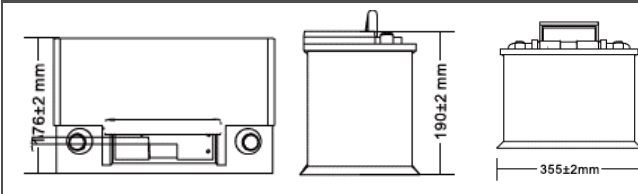
The LFP series is full-fledged lead acid battery replacement with all the advantages of LiFePO4 technology. This lithium battery ensures maximum safety and long service life even with regular deep discharge.

## Features

- Excellent performance
- Long cycle life
- Safest lithium technology (LiFePO4)
- Integrated BMS
- Integrated bluetooth monitoring

## Layout

## Terminal



## Discharge Parameters

Continuous Discharge Current	100A
Pulse Discharge Current	200A @ 10s
Recommended Volt. Disconnect	11,2V
BMS Discharge Cut-off Voltage	10,0V

## Charge Parameters

Charge Method	CC-CV
Charge Voltage	14.2~14.6V
Recommended Charge Current	50A
Maximum Charge Current	100A

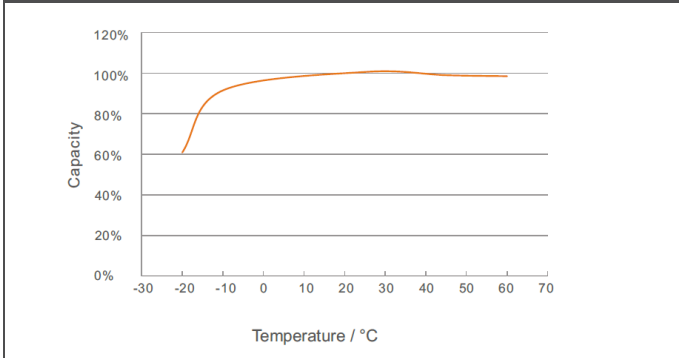
## Temperature Parameters

Discharge Temperature	-20 to +55 °C (-4 to +131 °F)
Charge Temperature	0 to +50 °C (32 to +122 °F)

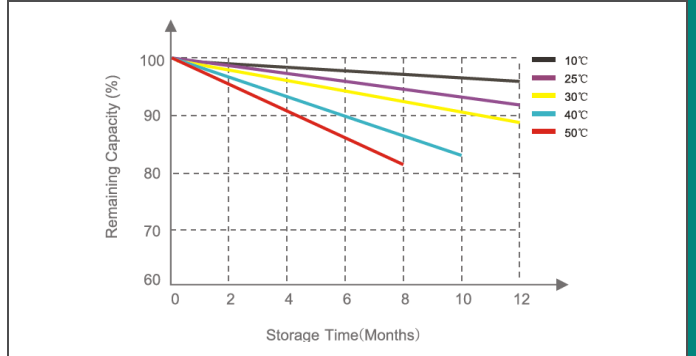


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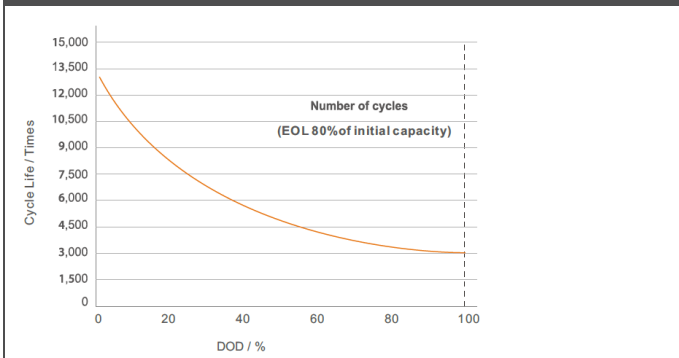
Capacity With Different Temperature



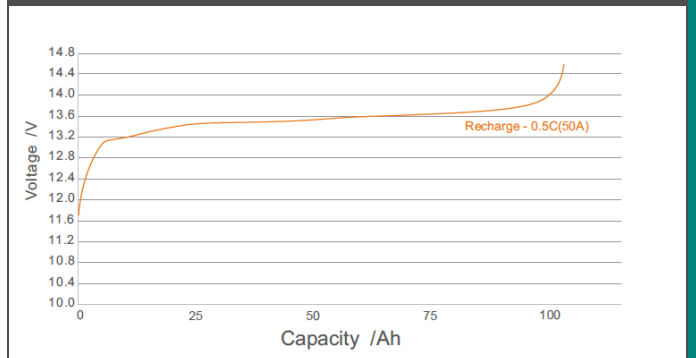
Discharge Capacity At Various Temperatures Discharge @ 1C



Typical Cycle Life



Charging Characteristics @ 0.5C, 25°C



(Note) All above information shall be changed without prior notice, Landport Batteries reserves the right to explain and update the latest information.