

# LITHIUM BATTERY + BMS

## LiFePO4 12,8V 50Ah (50A)

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**LiFePO4 (Lithium Iron Phosphate) batteries with integrated BMS** are characterized by very low weight and a large number of cycles (about 6000 cycles at DoD 60%).

Thanks to high cyclicity and very low self-discharge, LiFePO4 battery is perfect, both in emergency power systems and in OFF-GRID installations. Low weight allows the device to be used in

installations in vehicles (campers, foodtrucks) and boats.

Built-in **BMS system** ensures battery storage without loss of nominal capacity for a long time and controls the processes of charging and discharging the battery.

### What devices can be powered by LiFePO4 battery?

- Emergency power supply systems
- OFF-GRID systems
- Vehicle installations (campers, food-trucks)

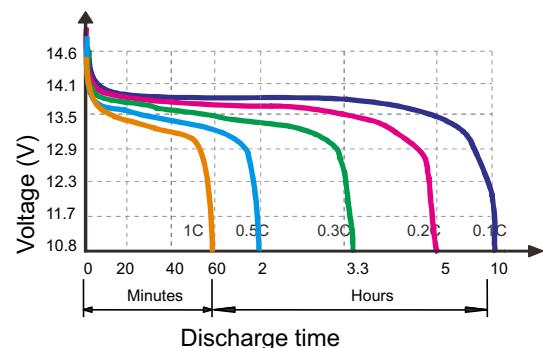
\* Boat installations (ONLY using a hermetic case for the battery)!

### Main parameters

Nominal voltage	12,8V
Nominal capacity	50AH
Voltage range	10.8V~14.4V
End of Discharge Volt	9,4V
Max charge current	50A
Max discharge current	50A
Cycle Life	3000 cycles (100% DOD)
	4500 cycles (80% DOD)
	6000 cycles (60% DOD)
Terminal Type	T14
Material	ABS
BMS	Build-in
Discharge temperature	(- 20 to 55)°C
Charge temperature	( 0 to 55)°C
Storage temperature	(- 20 to 45)°C
Height	170mm
Width	165mm
Length	197mm
Weight	5,6kg+/-3%
Gross dimensions/Gross weight	3365x215x265mm/12kg
Multipack dim/Mutlipack weight	1130x830x1230mm/553kg



LifePO4 battery 12,8V 50Ah (50A)



Discharge characteristic at 25°C



Use in motorhome