

# LITHIUM BATTERY + BMS

## LiFePO4 12,8V 140Ah (140A)

INDEKS: 6AKLI14012  
EAN: 5904100450930

LiFePO4 (Lithium Iron Phosphate) batteries with integrated BMS are characterized by very low weight and a large number of cycles (about 2000 cycles at an average of 100% of initial capacity).

Thanks to high cyclicality 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

### Main parameters

Nominal voltage		12,8V
Rated capacity		140Ah
Max. cont. discharging current		140A
Dimensions	height	240 mm +- 3%
	width	170 mm +- 3%
	length	483 mm +- 3%
Weight		16 kg +- 5%
Cycles		2000 cycles (100% DOD)

### Other parameters

Terminal		M8
Prismatic cells		3,2V 150Ah
Max. charge Voltage		14,6V
Discharge cut off voltage		9,2V
Charge current		70A
BMS protection	Over charge, over discharge, over current, and short circuit	
Outer package material		ABS cover
Operating temperature	Discharging	-20 C to 60 C
	Charging	0 C to 45 C
	Storage	0 C to 45 C
Support series and parallels		Max. 4P4S
Warranty (enable to prolong)		2 years



LifePO4 battery 12,8V 140Ah (140A)



BMS



Prismatic cells