

LITHIUM BATTERY + BMS

LiFePO4 12,8V 45Ah (40A)

INDEKS: 6AKLI04512
EAN: 5904100450886

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	45Ah	
Max. cont. discharging current	40A	
Dimensions	height	170 mm
	width	166 mm
	length	198 mm
Weight	4,6 kg	
Cycles	2000 cycles (100% DOD)	
Gross dimensions/Gross weight	250x218x225mm/5kg	
Multipack dim/Multipack weight	1,1x1x1 m/420kg	

Other parameters

Terminal	M6	
Cells	3.2V 45AH4S1P	
Max. charge Voltage	14,6V ±1.2V	
Discharge cut off voltage	9,4V	
Max. charge current	22,5A	
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
Warranty (enable to prolong)	2 years	



LifePO4 battery 12,8V 45Ah (40A)



BMS



Use in motorhome