


## LIFEPO<sub>4</sub> BATTERY


Model: IE-2450F





## Features


1. Built-in automatic protection for over-charge, over-discharge and over temperature conditions etc
2. The communications of monitored data via battery management system(BMS)
3. Thousands of cycles, 100% DOD under normal operating conditions.

 98%+ useable capacity

 Longer life span

 Weight less more

 Support fast recharge

 Wide operate temp. range

## Applications

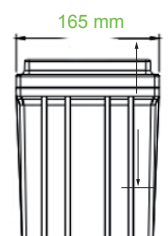
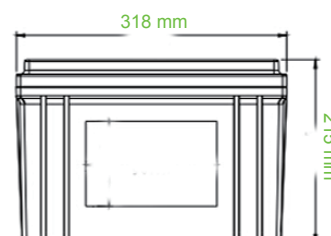
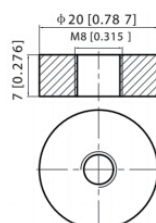
1. RV / Trucks
  2. Mobility
  3. Solar Energy
  4. Industrial
- etc.

## Technical Specification

Nominal Voltage	24V	
Typical Capacity	50Ah	
Dimension(approx.)	Length	318 mm / 12.5 inch
	Width	165 mm / 6.5 inch
	Height	215 mm / 8.5 inch
Weight(approx.)	13.0 kg (28.7 lbs)	
Terminal	M8	
Container Material	ABS	
Cell Type	LiFePO <sub>4</sub>	
Internal Resistance	≤ 20 mΩ	
Standard Discharge	Max continuous current	50A
	Max pulse current(2s)	140A
	Cut-off voltage	19V ± 0.1V
Standard Charge	Charge voltage	29.2V
	Support charge current	50A
	Charge time	6.5 hr (@0.2C)
Operating Temp. Range	-20 °C ~ 55 °C / -4°F ~ 131°F	
Cycle Life (@C/2, 25 °C)	100% DOD	2000+ cycles

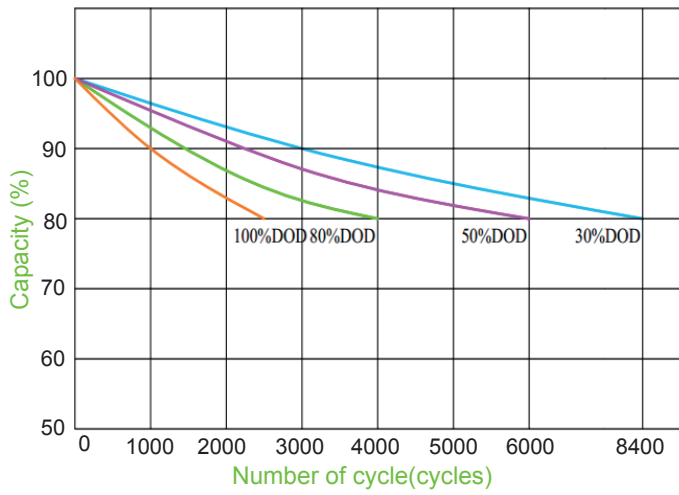
## Dimension

- M8 Terminal  
Unit mm [inch]

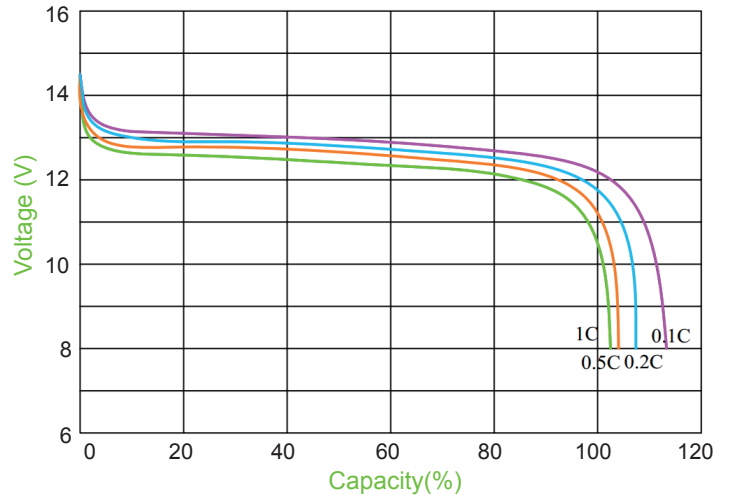


# Performance

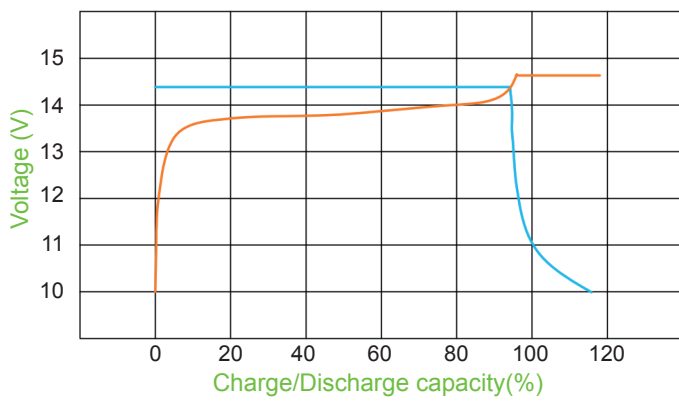
Cycle life in relation to depth of discharge



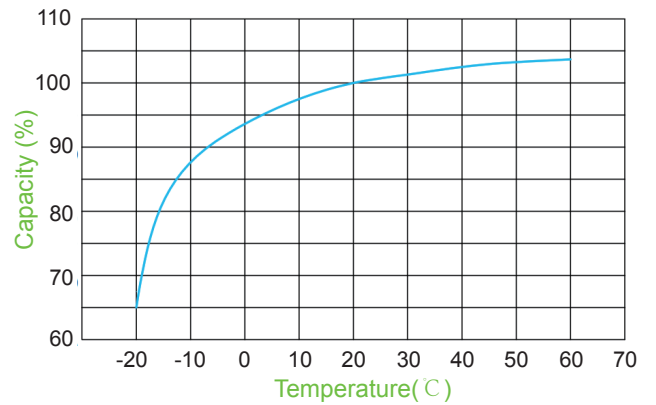
Discharge performance



Constant voltage charging characteristic



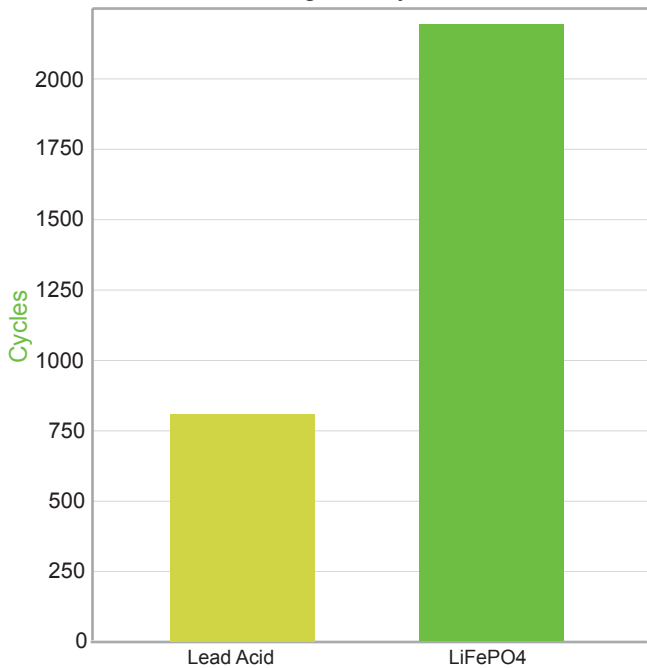
Temperature effect on capacity



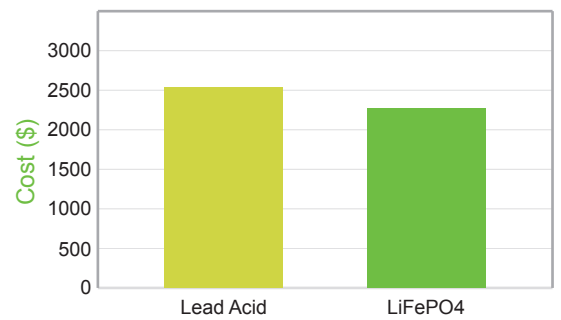
Performance may vary depending on operating conditions, usage and applications. All specifications are subject to change without notice. All information provided herein is believed, but not guaranteed, to be exactly accurate.

# Cost&Benefits Analysis

Average Lifecycle



Cost per 2000 cycles



Cost per kW-h

