



# 12V/ 24V LITHIUM IRON PHOSPHATE BATTERY

May the power be with you

## LFP1200 Series

The LFP1200 series LiFePO4 battery is fit for E-mobility, Energy Storage System, Defense & Security, telecom outdoor applications, renewable energy systems, and other harsh environment applications.

\* Custom capacity is acceptable.



### High cycle life

6000 cycles @80% DoD for effectively lower total of ownership cost.



### Quickly recharge

Save time and increase productivity with less down time thanks to superior charge/discharge efficiency.



### Longer service life

Low maintenance batteries with stable chemistry.



### Extreme heat tolerance

Suitable for use in a wider range of applications where ambient temperature is unusually high: up to +60°C.



### Built in circuit protection

Battery Management System (BMS) is incorporated against abuse.



### Lightweight

Lithium batteries provide more Wh/Kg while also being up to 1/3 the weight of its SLA equivalent.



### Better storage

Up to 6 months thanks to its extremely low self discharge (LSD) rate and no risk of sulphation.



### Function

Support parallel operation

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### Specifications

Technical Data		LFP12-50	LFP12-100	LFP12-200	LFP24-50	LFP24-100	LFP24-200
Nominal Voltage		12.8V			25.6V		
Nominal Capacity		50Ah	100Ah	200Ah	50Ah	100Ah	200Ah
Nominal energy		640Wh	1280Wh	2560Wh	1280Wh	2560Wh	5120Wh
Life Cycles		6000 cycles @ 80% DOD, 25°C					
Recommended Charge Voltage		14.6V			29.2V		
Recommended Charge Current		20A					
End Of Discharge Voltage		10V			20V		
Standard Method	Charge	10A	20A	40A	10A	20A	40A
	Discharge	25A	50A	100A	25A	50A	100A
Maximum Continuous Current	Charge	25A	50A	100A	50A	60A	100A
	Discharge	50A	100A	100A	100A	100A	100A
BMS Cut-Off Voltage	Charge	15.4 V (3.85V/Cell)			30.8 V (3.85V/Cell)		
	Discharge	9.2 V (2s) (2.3V/Cell)			18.4 V (2s) (2.3V/Cell)		
Temperature	Charge	0 ~ 45°C					
	Discharge	-20 ~ 55°C					
Storage Temperature		-5~35°C					
Shipment voltage		≥12.8V			≥25.6V		
Case Material		ABS+PC					
Machine Dimension (H*W*D) (mm)		260*167*210	339*185*218	502*186*243	522*240*218	502*186*243	522*240*218
Package Dimension (W*H*D) (mm)	carton box	/	385*230*260	520*215*280	/	520*215*280	545*285*288
N.W (kg)		7.5	12	21	22.5	20	37
G.W (kg)	carton box	/	13	22	/	21	38
* Variations in dimensions and weights may occur due to production batches.							
Charge Retention And Capacity Recovery Capability		Standard charge the battery, and then put aside at room temperature for 28d or 55°C for 7d, Charge retention rate≥90%, Recovery rate of charge≥90%					
Warranty		5 years					
Certification & Standards		CE-EMC (EN 61000-6-3+A1+AC EN IEC 61000-6-1); UN38.3/ MSDS					

The technical specifications of this document are subject to change without any notice