

LITHIUM IRON PHOSPHATE (LiFePO4) BATTERY

LP1500 Series

0.64~7.68KWH

The Must LP1500 SERIES LiFePO4 battery is fit for E-mobility, Energy Storage System, Defense & Security, telecom outdoor applications,renewable energy systems, and other harsh environment applications.

UN38.3

- ≥6000(25°C+2°C,80%DOD,70%EOL)
- Safe, reliable and long life
- Support series or parallel connection
- Battery Management System (BMS) is incorporated against abuse.
- Superior charge/discharge efficiency
- Low maintenance batteries with stable chemistry.
- Extreme heat tolerance
- Lithium batteries provide more Wh/Kg while also being up to 1/3 the weight of its SLA equivalent.
- Support Bluetooth and APP to view battery information (optional)

Application











Technical Data		LP15-1250	LP15-12100	LP15-12200	LP15-12300	LP15-24100	LP15-24200	LP15-24300
Nominal Voltage		12.8V				25.6V		
Nominal Capacity		50Ah	100Ah	200Ah	300Ah	100Ah	200Ah	300Ah
Nominal energy		640Wh	1280Wh	2560Wh	3840Wh	2560Wh	5120Wh	7680Wh
Max. output power		0.6KW	1.2KW	1.2KW	2.5KW	2.5KW	2.5KW	5KW
Life Cycles		≥6000(25°C+2°C,80%DOD,70%EOL)						
Recommended Charge Voltage		14.6V				29.2V		
Recommended Charge Current		20A		40A	60A	20A	40A	60A
End Of Discharge Voltage		10V				20V		
Standard Method	Charge	10A	20A	40A	100A	20A	40A	100A
	Discharge	25A	50A	100A	100A	50A	100A	100A
Maximum Continuous Current	Charge	25A	50A	100A	100A	60A	100A	100A
	Discharge	50A	100A	100A	100A	100A	100A	100A
BMS Cut-Off Voltage	Charge	14.6V (3.65V/Cell)				29.2V(3.65V/Cell)		
	Discharge	10.8V(2.7V/Cell)				21.6V(2.7V/Cell)		
Temperature	Charge	0~55°C						
	Discharge	-20~60°C						
Storage Temperature		-5~35℃						
Shipment voltage		≥12.8V				≥25.6V		
Case Material		ABS+PC						
Machine Dimension (W*H*D) (mm)		260*167*210	339*185*218	502*186*243	384*204*272	502*186*243	522*240*218	635*244*200
Package Dimension (W*H*D) (mm)	carton box	315*225*260	385*230*260	520*225*280	450*250*325	520*225*280	545*285*288	700*310*276
N.W (kg)		5.6	12	21	27	20	37	47
G.W (kg)	carton box	23.1(4/1)	13	22	29	21	38	50

* 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