

Lithium Iron Phosphate (LiFePO4) Battery

**MUST**

# LP1500 Series


0.64~5.12KWH





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.

\* Custom capacity is acceptable.


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 **High cycle life**  
6000 cycles @ 80% DOD, 25°C for effectively lower total of ownership cost.

 **Built in circuit protection**  
Battery Management System (BMS) is incorporated against abuse.


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

 **Function**  
Support parallel operation

 **Longer service life**  
Low maintenance batteries with stable chemistry.

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

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

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



## LP1500 Series

Technical Data		LP15-1250	LP15-12100	LP15-12200	LP15-2450	LP15-24100	LP15-24200
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	-4 ~ 113 °F (0 ~ 45°C)					
	Discharge	-4 ~ 131 °F (-20 ~ 55 °C)					
Storage Temperature		23~95 °F (-5~35°C)					
Shipment voltage		≥12.8V			≥25.6V		
Case Material		ABS+PC					
Dimension (L x W x H)		260x167x210 mm	339x185x218 mm	502x186x243 mm	522x240x218 mm	522x240x218 mm	522x240x218 mm
Approx. Weight		7.5kg	12kg	23kg	22.5kg	27kg	45kg
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					
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