

Lithium Iron Phosphate (LiFePO4) Battery

MUST®

LP1800 Series

1.28~10.24KWH



MUST's 19 inches rack standard backup battery is based on Lithium iron phosphate battery, It has been designed to provide backup power for telecom equipment or energy storage system in household. It has excellent safety, high energy density, long lifetime, very nice temperature performance, green power newly of excellent safety and high reliability.

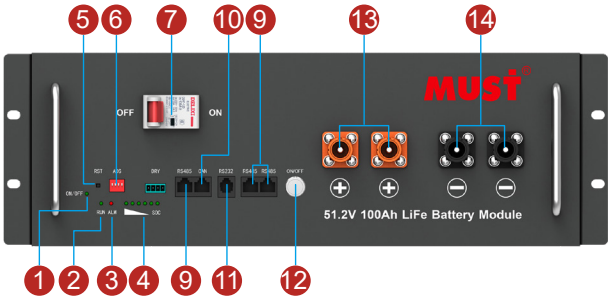
* Custom capacity is acceptable.

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

Function
Support parallel operation

Longer service life
Low maintenance batteries with stable chemistry.

Pic of Input & Output Port



1. ON/OFF indicator

2. RUN indicator

3. Alarm indicator

4. SOC indicator

5. RST port

6. ADS switch

7. Power switch
8. DRY port

9. RS485 communication port

10. CAN port

11. RS232 communication port

12. Start buttons

13. BAT+

14. BAT-



LP1800 Series

Technical Data		LP18-2450	LP18-24100	LP18-24200	LP18-4850	LP18-48100	LP18-48200
Nominal Voltage		25.6V			51.2V		
Nominal Capacity		50Ah	100Ah	200Ah	50Ah	100Ah	200Ah
Nominal energy		1280Wh	2560Wh	5120Wh	2560Wh	5120Wh	10240Wh
Life Cycles		6000 cycles @ 80% DOD, 25℃					
Recommended Charge Voltage		29.2V			58.4V		
Recommended Charge Current		10A	20A	40A	10A	20A	40A
End Of Discharge Voltage		22V			44V		
Standard Method	Charge	10A	20A	40A	10A	20A	40A
	Discharge	25A	50A	100A	25A	50A	100A
Maximum Continuous Current	Charge	50A	100A	100A	50A	100A	100A
	Discharge	50A	100A	100A	50A	100A	100A
BMS Cut-Off Voltage	Charge	29.2 V (3.65V/Cell)			58.4 V (3.65V/Cell)		
	Discharge	22.0V (2s) (2.75V/Cell)			32.0V (2s) (2.0V/Cell)		
Temperature	Charge	-4 ~ 113 ℉ (0 ~ 45℃)					
	Discharge	-4 ~ 131 ℉ (-20 ~ 55 ℃)					
Storage Temperature		23~95 ℉ (-5~35℃)					
Shipment voltage		≥25.6V			≥51.2V		
Module Parallel		Up to 15 units					
Communication		CAN2.0/RS232/RS485					
Case Material		SPPC					
Dimension (L x W x H)		482x410x133 mm	482x410x133 mm	482x480x133mm	482x410x133 mm	482x480x133mm	482x500x222 mm
Approx. Weight		25kg	50kg	97kg	25kg	44kg	80kg
Charge Retention And Capacity Recovery Capability		Standard charge the battery, and then put aside at room temperature for 28d or 55 ℃ for 7d, Charge retention rate≥90%, Recovery rate of charge≥90					

Certification & Standards

CE-EMC(EN 61000-6-3: 2007+A1: 2011+AC: 2012 EN IEC 61000-6-1: 2019); IEC62619:2017; IEC62619:2022; UN38.3/ MSDS

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