

Lithium Iron Phosphate (LiFePO4) Battery

# 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.

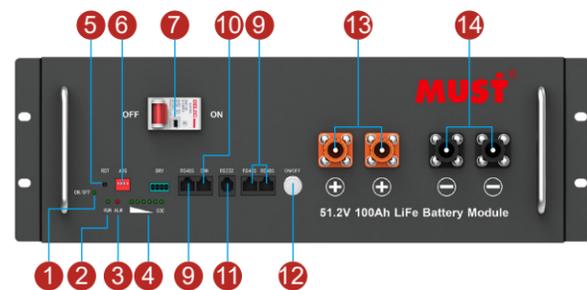
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**High cycle life**  
6000 cycles @ 80% DOD, 25°C for effectively lower total of ownership cost.
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**Function**  
Support parallel operation
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**Longer service life**  
Low maintenance batteries with stable chemistry.

## Pic of Input & Output Port



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| <ol style="list-style-type: none"> <li>1. ON/OFF indicator</li> <li>2. RUN indicator</li> <li>3. Alarm indicator</li> <li>4. SOC indicator</li> <li>5. RST port</li> <li>6. ADS switch</li> <li>7. Power switch</li> </ol> | <ol style="list-style-type: none"> <li>8. DRY port</li> <li>9. RS485 communication port</li> <li>10. CAN port</li> <li>11. RS232 communication port</li> <li>12. Start buttons</li> <li>13. BAT+</li> <li>14. BAT-</li> </ol> |
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## 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°C						
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 °F (0 ~ 45°C )					
	Discharge	-4 ~ 131 °F (-20 ~ 55 °C )					
Storage Temperature	23~95 °F (-5~35°C )						
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 °C 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