

LITHIUM IRON PHOSPHATE BATTERY

May the power be with you

MUST

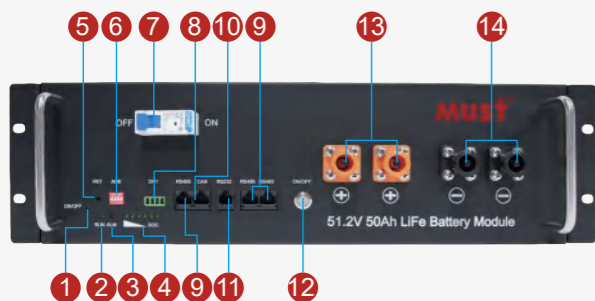


LP1800 Series

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.

Pic of Input & Output Port



- | | |
|---------------------|------------------------------|
| 1. ON/OFF indicator | 8. DRY port |
| 2. RUN indicator | 9. RS485 communication port |
| 3. Alarm indicator | 10. CAN port |
| 4. SOC indicator | 11. RS232 communication port |
| 5. RST port | 12. Start buttons |
| 6. ADS switch | 13. BAT+ |
| 7. Power switch | 14. BAT- |

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Specifications

MODEL		LP18-4850	LP18-48100	LP18-48200
Nominal voltage		51.2V		
Nominal Capacity		50Ah	100Ah	200Ah
Nominal energy		2560Wh	5120Wh	10240Wh
Life Cycles		4000+ (80% DoD for effectively lower total of ownership cost)		
Recommended Charge Voltage		57.6V		
Recommended Charge Current		20.0A		
End of discharge voltage		44.0V		
Standard method	Charge	10.0A	20.0A	40.0A
	Discharge	25.0A	50.0A	100.0A
Maximum continuous current	Charge	50.0A	100.0A	100.0A
	Discharge	50.0A	100.0A	100.0A
BMS Cut-Off Voltage	Charge	<58.4 V (3.65V/Cell)		
	Discharge	>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		≥51.2V		
Module Parallel		Up to 4 units		
Communication		CAN2.0/RS232/RS485		
Case Material		SPPC		
Dimension (L x W x H)		482 x 410 x 133 mm 19.0 x 16.1 x 5.2"	482 x 480 x 133mm 19.0 x 18.9 x 5.2"	482 x 500 x 222 mm 19.0 x 19.7 x 8.7"
Approx. Weight		55.11 lbs (25 kg)	97 lbs (44 kg)	176.3 lbs (80 kg)
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		



High cycle life
4000 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