

## LITHIUM IRON PHOSPHATE (LIFEPO4) BATTERY LP1800 Series

1.28~10.24KWH

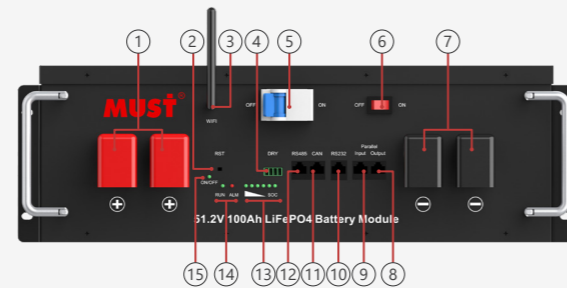
MUST's 19 inches rack standard backup battery is based on Lithium iron phosphate battery, It has been designed to provide backup power for telecom equipment or energy storage system in household. It has excellent safety, high energy density, long lifetime, very nice temperature performance, green power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



- 6000 cycles @ 80% DOD, 25°C for effectively lower total of ownership cost
- Integrated battery management system (BMS)
- Safest lithium iron phosphate battery cell with high energy density
- Modular design: LP1800 supports up to 15 units in parallel
- 19 inches rack standard design, saving installation space
- High integration, saving installation cost and simplifying the wiring
- Perfect compatibility: support CAN & RS485 communication with mainstream inverters
- Built-in WiFi Smart Module



### Back panel description



1. Positive pole connector\*2
2. RST port
3. WiFi antenna
4. DRY port
5. Power switch
6. Start buttons
7. Negative pole connector\*2
8. Parallel output
9. Parallel input
10. RS232 communication port
11. CAN communication
12. RS485 communication
13. SOC indicators
14. RUN/Alarm indicators
15. ON/OFF indicators

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	150A	50A	100A	150A
	Discharge	50A	100A	150A	50A	100A	150A
BMS Cut-Off Voltage	Charge	29.2 V (3.65V/Cell)			58.4 V (3.65V/Cell)		
	Discharge	22.0V(2.75V/Cell)			32.0V(2.0V/Cell)		
Temperature	Charge	0 ~ 45°C					
	Discharge	-10 ~ 55°C					
Storage Temperature		-5~35°C					
Shipment voltage		≥25.6V			≥51.2V		
Module Parallel		Up to 15 units					
Communication		CAN2.0/RS232/RS485					
IP Protection level		IP21					
Case Material		SPPC					
Machine Dimension (H*W*D) (mm)		482*410*133	485.5*479*152	486.5*479*225	482*410*133	625.5*479*152	686.5*479*225
Package Dimension (W*H*D) (mm)	carton box	/	557*547*230	557*547*301	/	688*557*227	non
	wooden box	/	555*565*340	555*565*410	/	696*565*335	759*569*391
N.W (kg)		25	50	44	25	45	80
G.W (kg)	carton box	/	30	48	/	48	non
	wooden box	/	40	57	/	58	97
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					

\* Variations in dimensions and weights may occur due to production batches.