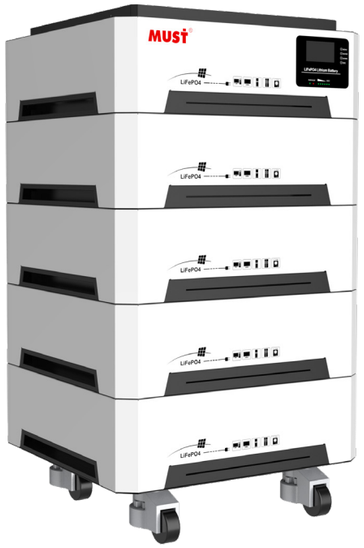


LITHIUM IRON PHOSPHATE (LIFEPO4) BATTERY

LP1900 Series

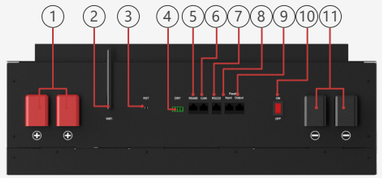
15.3~25.6KWH | WiFi

MUST LP1900 Series is a lithium iron phosphate (LiFePO4) battery that offers multiple energy storage options through an expandable modular design (3-5 modules combined), which further simplifies installation and O&M with multiple smart functions.

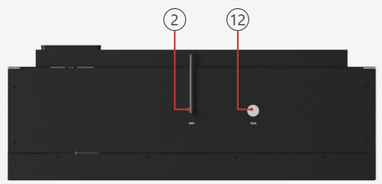
UN38.3

- 6000 cycles @ 80% DOD, 25°C
- Easy plug-in installation
- Spinner wheels design
- Built-in WiFi Smart BMS Module
- Support CAN & RS485 communication with mainstream inverters
- IP21 protection for both indoor use
- Modular design: supports up to 8 units in parallel

Back panel description



Main module



Second module

1. BAT+
2. WiFi
3. RST port
4. DRY port
5. RS485 communication port
6. CAN port
7. RS232 communication port
8. Parallel input port
9. Parallel output port
10. ON/OFF indicator (main module)
11. BAT-
12. Reset buttom & Running indicator

Technical Data		LP19-48300	LP19-48400	LP19-48500
System Demo				
Battery Module		LP19-48100		
Nominal Voltage		51.2V		
Number of Modules		3	4	5
Energy Capacity		15360 Wh	20480 Wh	25600 Wh
Life Cycles		6000 cycles @ 80% DOD, 25°C		
Recommended Charge Voltage		57.6V		
Recommended Charge Current		60A	80A	100A
End Of Discharge Voltage		44.0V		
Standard Method	Charge	60A	80A	100A
	Discharge	100A	100A	100A
Maximum Continuous Current	Charge	100A	100A	100A
	Discharge	100A	100A	100A
BMS Cut-Off Voltage	Charge	58.4 V (3.65V/Cell)		
	Discharge	44.0V (2.75V/Cell)		
Temperature	Charge	0 ~ 45°C		
	Discharge	-10 ~ 55°C		
Storage Temperature		-5~35°C		
Shipment voltage		≥51.2V		
Module Parallel		Up to 8 units		
Communication		CAN2.0/RS232/RS485		
Case Material		SPPC		
Machine Dimension (H*W*D) (mm)		Main module: 540*530*191mm; Second module: 540*530*191mm		
Package Dimension (W*H*D) (mm)	wooden box	Main module: 614*610*475mm; Second module: 610*606*370mm		
N.W (kg)		Main module: 48kg; Second module: 47kg		
G.W (kg)	wooden box	Main module: 61kg; Second module: 60kg		

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

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
Warranty	5years
Certification & Standards	CE-EMC (EN 61000-6-3: 2007+A1: 2011+AC: 2012 EN IEC 61000-6-1: 2019) UN38.3/ MSDS