

LITHIUM IRON PHOSPHATE BATTERY

MUST®

May the power be with you

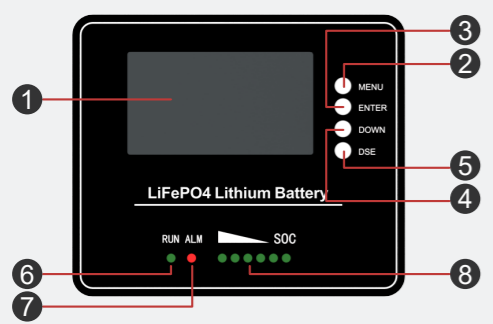


LP1600 Series

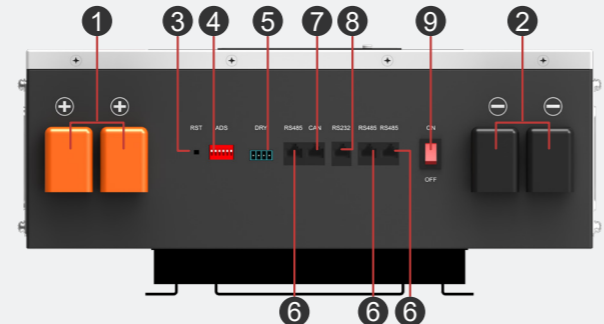
MUST wall mounted Lithium battery (LiFePO4 Battery) solutions are highly integrated, deep cycle backup power solutions for your solar home energy storage system. With rich experience and advanced techniques, the product has the features of the fashionable design, high energy, high power density, long service life, and easiness of installation and expansion.

* Custom capacity is acceptable.

Pic of Input & Output Port



- 1. LCD display
- 2. Menu buttons
- 3. Enter buttons
- 4. Down buttons
- 5. DES buttons
- 6. RUN indicator
- 7. Alarm indicator
- 8. SOC indicator



- 1. BAT+
- 2. BAT-
- 3. RST port
- 4. ADS switch
- 5. DRY port
- 6. RS485 communication port
- 7. CAN port
- 8. RS232 communication port
- 9. Start buttons

LITHIUM IRON PHOSPHATE BATTERY LP1600 SERIES

MUST®

Specifications

MODEL		LP16-2450	LP16-24100	LP16-24200	LP16-4850	LP16-48100	LP16-48200	
LiFePO4 Battery	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			57.6V		
	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)			44.0V (2s) (2.75V/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)		340 x 400 x 140 mm 13.4x 19.3 x 8.3"	450 x 400 x 140 mm 27.5 x 19.3 x 8.3"	450 x 395 x224 mm 227.5 x 19.2 x 8.8"	450 x 400 x 140 mm 17.7 x 15.7 x 5.5"	580 x 400 x 145 mm 22.8 x 15.7 x 5.7"	580 x 490 x 250 mm 22.8 x 19.3 x 9.86"
	Approx. Weight		30.4lbs (13.8kg)	50.71lbs (23kg)	99lbs (45kg)	50.71lbs (23 kg)	97lbs (44kg)	180.78 lbs (82 kg)
	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					



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



Longer service life
Low maintenance batteries with stable chemistry.



Built in circuit protection
Battery Management System (BMS) is incorporated against abuse.



Better storage
Up to 6 months thanks to its extremely low self discharge (LSD) rate and no risk of sulphation.



Quickly recharge
Save time and increase productivity with less down time thanks to superior charge/discharge efficiency.



Extreme heat tolerance
Suitable for use in a wider range of applications where ambient temperature is unusually high: up to +60℃.



Lightweight
Lithium batteries provide more Wh/Kg while also being up to 1/3 the weight of its SLA equivalent.



Function
Support parallel operation

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