

LITHIUM IRON PHOSPHATE BATTERY

MUST®

May the power be with you

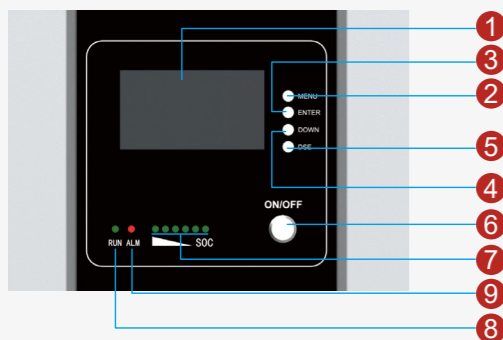


LP1600 Series

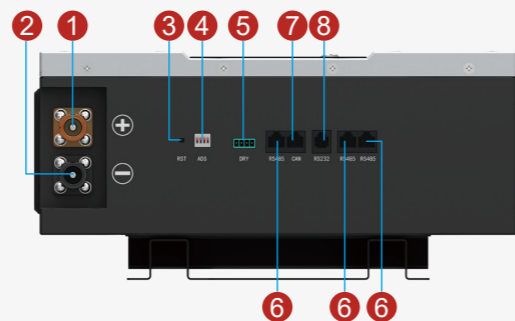
MUST wall mounted Lithium battery (LiFePO4 Battery) solutions are highly integrated, deep cycle backup power solutions for your solar home energy storage system. With rich experience and advanced techniques, the product has the features of the fashionable design, high energy, high power density, long 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. Switch on/off
- 7. SOC indicator
- 8. RUN indicator
- 9. Alarm 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

LITHIUM IRON PHOSPHATE BATTERY LP1600 SERIES

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Specifications

MODEL		LP16-48100	LP16-48200
Nominal voltage		51.2V	
Nominal Capacity		100Ah	200Ah
Nominal energy		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	20.0A	40.0A
	Discharge	50.0A	100.0A
Maximum continuous current	Charge	100.0A	100.0A
	Discharge	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)		580 x 400 x 145mm 22.8 x 15.7 x 5.7"	580 x 420 x 230 mm 22.83 x 16.54 x 9.06"
Approx. Weight		97lbs (44kgs)	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 °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.



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°C.



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