

LITHIUM IRON PHOSPHATE BATTERY

MUST®

May the power be with you



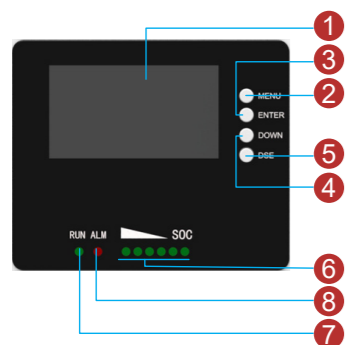
LP2000 Series

LP2000 is a new type of lithium battery energy storage system. Energy storage is configured differently depending on the needs of the home, the battery capacity is 5.12kWh to 12.8kWh. Very suitable for home emergency power storage as solar battery.

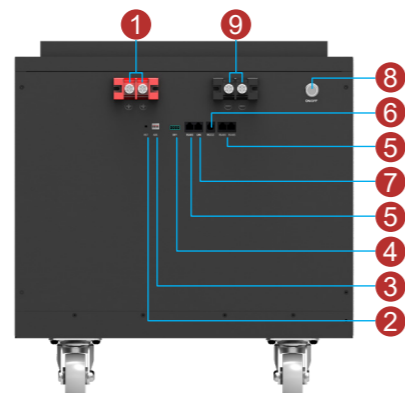
* Custom capacity is acceptable.

- + High-Efficient Energy Storage Batteries.
- + Modular design providing escort in emergency.
- + The safest lithium solar battery material (LFP) battery
- + Integrated battery management system (BMS)
- + Battery system designed for PV household application
- + Longer cycle life 6000 cycles @ 80% DOD, 25°C

Pic of Input & Output Port



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



1. BAT+
2. RST port
3. ADS port
4. DRY port
5. RS485 communication port
6. RS232 communication port
7. CAN port
8. ON/OFF indicator
9. BAT-

LITHIUM IRON PHOSPHATE BATTERY LP2000 SERIES

Specifications

MODEL		LP20-24200	LP20-24250	LP20-48200	LP20-48250	
LiFePO4 Battery	Nominal Voltage	25.6V		51.2V		
	Nominal Capacity	200Ah	250Ah	200Ah	250Ah	
	Nominal energy	5120Wh	6400Wh	10240Wh	12800Wh	
	Life Cycles	6000 cycles @ 80% DOD, 25°C				
	Recommended Charge Voltage	57.6V				
	Recommended Charge Current	40A	50A	40A	50A	
	End Of Discharge Voltage	44V				
	Standard Method	Charge	40A	50A	40A	50A
		Discharge	100A	125A	100A	125A
	Maximum Continuous Current	Charge	150A	150A	150A	150A
		Discharge	150A	150A	150A	150A
	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 °F (0 ~ 45°C)			
		Discharge	-4 ~ 131 °F (-20 ~ 55 °C)			
Storage Temperature	23~95 °F (-5~35°C)					
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)	540 x 500 x 435mm 21.3 x 19.7 x 17.1"		540 x 500 x 665 mm 21.3 x 19.7 x 26.2"			
Approx. Weight	121lbs (55 kg)	132lbs (60 kg)	242lbs (110 kg)	264lbs (120 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					