

LITHIUM IRON PHOSPHATE BATTERY

MUST®

May the power be with you



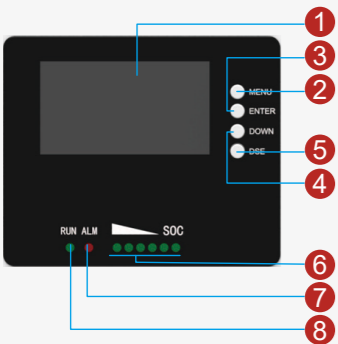
LP2000 Series

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.

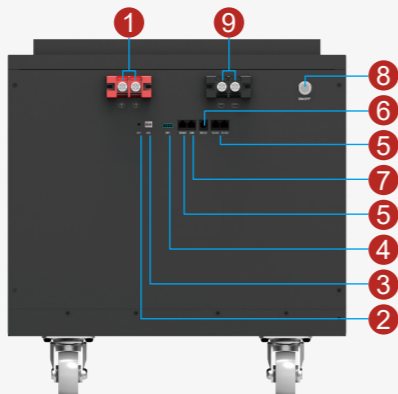
* Custom capacity is acceptable.

- + 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 ≥4000 cycles

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

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Specifications

MODEL		LP20-25200	LP20-25250	LP20-51200	LP20-51250	
LiFePO4 Battery	Nominal Voltage	25.6V		51.2V		
	Nominal Capacity	200Ah	250Ah	200Ah	250Ah	
	Energy	5120Wh	6400Wh	10240Wh	12800Wh	
	Communication	CAN2.0/RS232/RS485				
	Resistance	≤50 mΩ @ 50% SOC				
	Efficiency	≤96%				
	Recommended Charge Current	100A				
	Maximum Continuous Discharge Current	100A				
	Maximum load power	2.5KW		5KW		
	Recommended Charge Voltage	28.8V		57.6V		
	BMS Charge Cut-Off Voltage	<29.2 V (3.65V/Cell)		<58.4 V (3.65V/Cell)		
	Reconnect Voltage	>28.8 V (3.6V/Cell)		>57.6 V (3.6V/Cell)		
	Balancing Voltage	<28.8 V (3.6V/Cell)		<57.6 V (3.6V/Cell)		
	Balancing open voltage	27.6V (3.45V/Cell)		55.2V (3.45V/Cell)		
	Recommended Low Voltage Disconnect	22V (2.75V/Cell)		44V (2.75V/Cell)		
	BMS Discharge Cut-Off Voltage	>20.0V (2s) (2.5V/Cell)		>40.0V (2s) (2.5V/Cell)		
	Reconnect Voltage	>22.0V (2.75V/Cell)		>44.0V (2.75V/Cell)		
	Discharge Temperature	-4 ~ 131 °F (-20 ~ 55 °C)				
	Charge Temperature	-4 ~ 113 °F (0 ~ 45 °C)				
	Storage Temperature	23 ~ 95 °F (-5 ~ 35 °C)				
	BMS High Temperature Cut-Off	149 °F (65 °C)				
	Reconnect Temperature	131 °F (55 °C)				
	Dimension (L x W x H)	540*450*473mm			540*450*636mm	
	Terminal Type	DIN POST				
	Terminal Torque	80 ~ 100 in-lbs (9 ~ 11 N-m)				
	Case Material	SPPC				
	Enclosure Protection	IP20				
	Certifications	CE (battery) UN38.3 (battery) UL1642 & IEC62133 (cells)				
	Shipping Classification	UN 3480, CLASS 9				

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