

LITHIUM IRON PHOSPHATE (LIFEPO4) BATTERY

LP2000 Series

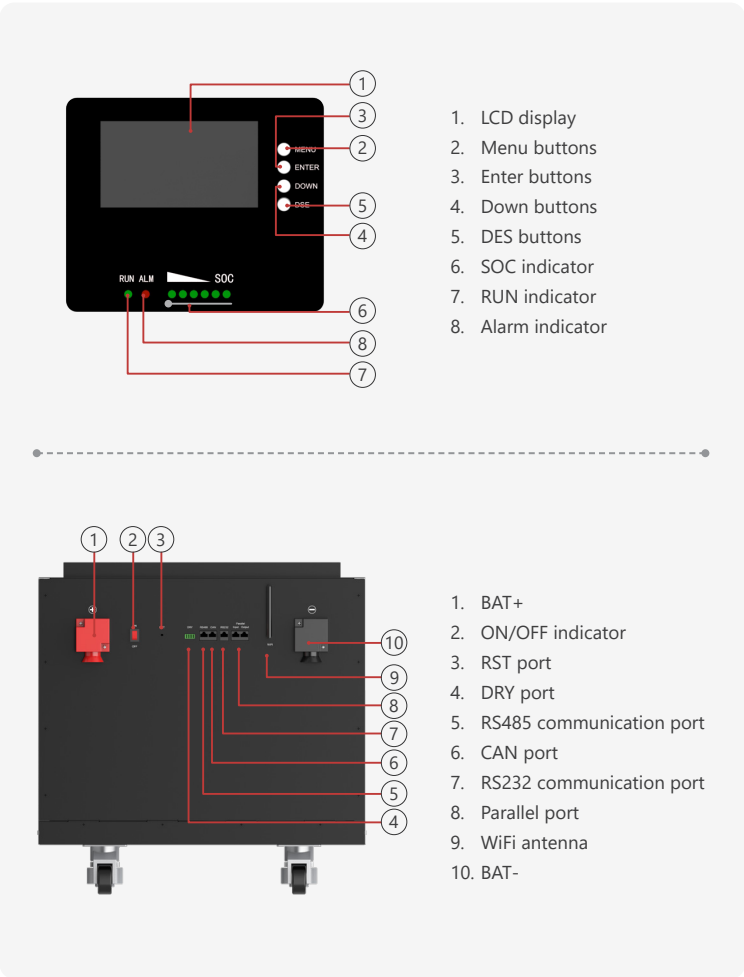
5.12~14.3KWH

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 14.3kWh. Very suitable for home emergency power storage as solar battery.



- 6000 cycles @ 80% DOD, 25°C
- Built-in WiFi Smart BMS Module
- Modular design: supports up to 15 units in parallel
- Spinner wheels design
- IP21 protection for both indoor use
- Support CAN & RS485 communication with mainstream inverters

Back panel description



Technical Data		LP20-24200	LP20-24280	LP20-48200	LP20-48280
Nominal Voltage		25.6V		51.2V	
Nominal Capacity		200Ah	280Ah	200Ah	280Ah
Nominal energy		5120Wh	7168Wh	10240Wh	14336Wh
Life Cycles		6000 cycles @ 80% DOD, 25°C			
Recommended Charge Voltage		57.6V			
Recommended Charge Current		40A	56A	40A	56A
End Of Discharge Voltage		44V			
Standard Method	Charge	40A	56A	40A	56A
	Discharge	100A	140A	100A	140A
Maximum Continuous Current	Charge	150A	200A	150A	200A
	Discharge	150A	200A	150A	200A
BMS Cut-Off Voltage	Charge	29.2 V (3.65V/Cell)		58.4 V (3.65V/Cell)	
	Discharge	22.0V (2.75V/Cell)		44.0V (2.75V/Cell)	
Temperature	Charge	0 ~ 45°C			
	Discharge	-10 ~ 55°C			
Storage Temperature		-5~35°C			
Shipment voltage		≥25.6V		≥51.2V	
Module Parallel		Up to 15 units			
Communication		CAN2.0/RS232/RS485			
Case Material		SPCC			
Machine Dimension (W*H*D) (mm)		540*430*533	540*429*533	540*430*533	540*547*533
Package Dimension (W*H*D) (mm)	wooden box	624*624*567	624*624*567	624*624*567	644*604*674
N.W (kg)		54	86	66	115
G.W (kg)	wooden box	70	102	82	135
* 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		5 years			
Certification & Standards		CE-EMC (EN 61000-6-3: 2007+A1: 2011+AC: 2012 EN IEC 61000-6-1: 2019) UN38.3/ MSDS			