

LITHIUM IRON PHOSPHATE (LiFePO4) BATTERY

LP2100 Series

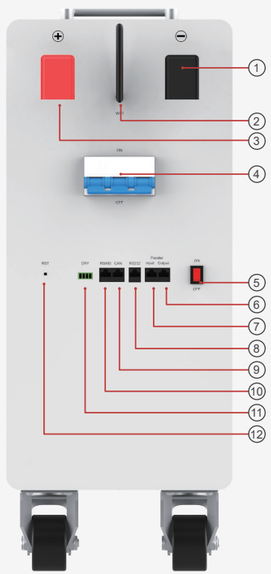
14.3~16.3KWH | WiFi

LP2100 Series is a lithium battery specially designed for residential applications with superior performance. Compatible with MUST PV/ EP/PH inverters series, one-stop-shop solution can be designed with LP2100 series, save you precious time and money, ideal solution for large home and small commercial with strong capacity 14.3kWh/15.3kWh/16.3KWH.

UN38.3

- Remote diagnosis & update
- Auto reboot after undervoltage
- Built-in WiFi Smart Module
- 15 Units in parallel maxium
- 8KW continous/module, 10KW @10s peak/module
- Longer cycle life ≥6000(25°C+2°C,80%DOD,70%EOL)
- Support CAN & RS485 communication with mainstream inverters

Back panel description



1. BAT-
2. WiFi antenna
3. BAT+
4. Air circuit breaker
5. Power switch
6. Parallel input port
7. Parallel output port
8. RS232 communication port
9. CAN port
10. RS485 communication port
11. DRY port
12. RST port

Technical Data		LP21-48280	LP21-48300	LP21-48320
Nominal Voltage		51.2V		
Nominal Capacity		280Ah	300Ah	320Ah
Nominal energy		14336Wh	15360Wh	16384Wh
Max. output power		10KW	10KW	10KW
Life Cycles		≥6000(25°C+2°C,80%DOD,70%EOL)		
Recommended Charge Voltage		57.6V		
Recommended Charge Current		56A	60A	60A
End Of Discharge Voltage		44V		
Standard Charge Current		56A	60A	60A
Standard Discharge Current		140A	150A	150A
Maximum Continuous Charge Current		200A	200A	150A
Maximum Continuous Discharge Currentt		200A	200A	150A
BMS Cut-Off Voltage Charge		58.4 V (3.65V/Cell)		
BMS Cut-Off Voltage Discharge		44.0V (2s) (2.75V/Cell)		
Temperature Charge		0~55°C		
Temperature Discharge		-20~60°C		
Storage Temperature		-5~35°C		
Shipment voltage		≥51.2V		
Module Parallel		Up to 15 units		
Communication		CAN2.0/RS232/RS485		
Case Material		SPCC		
Machine Dimension (W*H*D) (mm)		260*733*633		
Package Dimension (W*H*D) (mm)	wooden box	440*870*720		
N.W (kg)		118		
G.W (kg)	wooden box	138		
* 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 / IEC62619:2017		

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