

Lithium Iron Phosphate (LiFePO4) Battery

**MUST**

# LP2100 Series

14.3~15.3KWH



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.



### Smart Control

- Remote diagnosis & update
- Auto reboot after undervoltage



### Friendly and Thoughtful Design

- 8KW continuous/module, 20KW @10s peak/module
- 15 Units in parallel maxium



### Superb Safety & Reliability

- Reliable LFP technology with high cycle stability
- Longer cycle life 6000 cycles @ 80% DOD, 25°C



### Flexible & Adaptable Applications

- 14.3 - 15.3kWh strong capacity range
- Compatible with MUST PV/PH/EP inverters

**MUST**  
Solar Power System

## LP2100 Series

Technical Data	LP21-48280	LP21-48300
Nominal Voltage	51.2V	
Nominal Capacity	280Ah	300Ah
Nominal energy	14336Wh	15360Wh
Life Cycles	6000 cycles @ 80% DOD, 25°C	
Recommended Charge Voltage	57.6V	
Recommended Charge Current	56A	60A
End Of Discharge Voltage	44V	
Standard Charge Current	56A	60A
Standard Discharge Current	140A	150A
Maximum Continuous Charge Current	200A	200A
Maximum Continuous Discharge Current	200A	200A
BMS Cut-Off Voltage Charge	58.4 V (3.65V/Cell)	
BMS Cut-Off Voltage Discharge	22.0V (2s) (2.75V/Cell)	
Temperature Charge	-4 ~ 113 °F (0 ~ 45°C )	
Temperature Discharge	-4 ~ 131 °F (-20 ~ 55 °C )	
Storage Temperature	23~95 °F (-5~35°C )	
Shipment voltage	≥25.6V	
Module Parallel	Up to 15 units	
Communication	CAN2.0/RS232/RS485	
Case Material	SPPC	
Dimension (L x W x H)	733*260*635mm	
Approx. Weight	115kg	120kg
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	
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