

Lithium Iron Phosphate (LiFePO4) Battery

# LP2100 Series

14.3KWH / 15.3KWH

MUST®



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 continous/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℃



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℃  |            |
| 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 Currentt             | 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 ℉ (0 ~ 45℃ )   |            |
| Temperature Discharge                             | -4 ~ 131 ℉ (-20 ~ 55 ℃ )  |            |
| Storage Temperature                               | 23~95 ℉ (-5~35℃ )   |            |
| 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 ℃ for 7d, Charge retention rate≥90%, Recovery rate of charge≥90 |            |

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