

# 51.2V100Ah Rack Mounted LFP Battery



## Brief Introduction

Our 5.12kWh battery module uses extremely safe and long-lasting Lithium Iron Phosphate technology and provides unparalleled safety, reliability, and performance. It is specially designed for residential energy storage system to maximize solar usage, lower the electricity bill, and increase energy independence.

**S**afe & **R**eliable



6000+ deep cycle times and 10 Year Limited Warranty.



Modular design or installed with included mounting bracket.



Remote update, one key on/off, redundancy protection.



Remote monitoring with real time display of battery information and live communication.



Automatic identification of inverter protocol, and compatible with most leading LV inverters.

# SLSIFP51100A



## APPLICATIONS

Off-grid, On-grid ESS,  
UPS & emergency backup,  
Telecom system, RV, Marine system.

## CERTIFICATIONS

CE, CB, UN38.3, UL1642,  
UL1973(\*), UL9540A(\*).

■ (\*) Pending.

## ELECTRICAL SPECIFICATIONS

|                                  |                                      |
|----------------------------------|--------------------------------------|
| Battery Module                   | SLSIFP51100A                         |
| Battery category                 | LiFePO4                              |
| Rated energy (kWh) (25 °C, 0.5C) | 5.12                                 |
| Rated voltage (V)                | 51.2                                 |
| Rated capacity (Ah)              | 100                                  |
| Dimension (W*D*H, inch)          | 17.32×17.32×5.24 (3U)                |
| Weight (Lbs)                     | 94.8                                 |
| Operating voltage (V)            | 44.8-57.6V                           |
| Working temperature              | 0 °C ~50 °C , Recommend 15 °C ~30 °C |
| Communication                    | CAN/RS485                            |
| Degree of protection             | IP20                                 |
| Efficiency                       | 98%                                  |
| Max. Pack in Parallel with MC *  | 48 (*Multi-stack Controller [MC])    |
| Max. pack in Series              | 0                                    |

## CHARGE/DISCHARGE SPECIFICATIONS

|   |                  |
|---|------------------|
| Charging and discharging current (A)      | 50 (Recommended) |
| Max. charging and discharging current (A) | 100              |
| Max. Continuous Charge/Discharge (kW)     | 5.12             |
| Min. Disconnect Voltage (V)               | 49.0             |
| *Recommended Bulk Charge Voltage (V)      | 55.0             |
| Recommended Absorb Voltage (V)            | 54.5~56.0        |
| Recommended Float Voltage (V)             | 53.6~54.0        |
| Temperature Compensation                  | 0                |
| Equalization                              | Disable          |

## MECHANICAL SPECIFICATIONS

|                       |                     |
|-----------------------|---------------------|
| Terminal Type         | M8 x 1.25           |
| Terminal Torque       | 50~60 in-lbs        |
| Case Material         | Steel               |
| Cell Type – Chemistry | Prismatic – LiFePO4 |

■ Products specifications described herein are subject to change without prior notification.



24/7 sales and technical support.

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