

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.

Safe & **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.



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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