



48V100Ah LFP Battery Module

Brief Introduction

Our 4.8kWh 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; It passes the industry's most stringent UL9540A fire-safety testing.

- Efficiency up to 98%
- Intelligent BMS & Remote monitoring
- Super long cycle life(6000cycles @ 80% DOD)
- UL1642, UL1973, IEC62619, UN38.3, UL9540A, SGIP listed (CA)
- Compatible with most inverters/charge controllers
- Proven safety and high performance
- Higher ROI
- 5/10years of warranty
- Easy installation and scalability
- Maintenance free
- Application: Off-grid, On-grid ESS, UPS & emergency backup, Telecom system, RV, Marine system.

Specifications

48V100(3U)	
● Basic Parameters	
Model	FCIFP48100A
Anode Material	LiFePO ₄
Cells Layout	15S1P
Rated Capacity(Ah)	100(0.5C, 25℃)
Rated Energy(kWh)	4.8kWh
Dimensions(W×D×H)	440*440*133mm/17.32*17.32*5.24 inch
Weight	42kg/92.59lbs
Communication	RS485, CAN
Cycle Life	6000+(80%DOD, 25℃)
● Electrical Characteristics	
Voltage Window(V)	40.5~54
Charge Current(A)	50
Max Charge Current(A)	100
Max Discharge Current(A)	100
Energy Efficiency	98%
● Operation Environment	
Charge Temperature(℃)	0~50℃(Optimum15~30℃)
Discharge Temperature(℃)	-20~50℃(Optimum5~45℃)
Storage Temperature(℃)	-20~50℃
Storage Humidity(RH)	5%~90%
Working Humidity(RH)	5%~90%
Protection Class	IP20
● Others	
Certification	UL1642, UL1973, IEC62619, UN38.3, UL9540A, SGIP listed (CA)
Warranty (years)	5/10 limited
Scalability	Max 32 in parallel



Support

Rich technical documents
7/24 online support and training
On site support and training



Contact Us

FnS Power Technology Inc.
Email: sales@fnspower.com
Tel: +86-755-26452336

Czech distribution:
TARATECH s.r.o.
www.taratech.cz
Email: objednavky@taratech.cz
Tel: +420 771 146 633

www.fnspower.com