



Residential Battery Energy Storage Solutions



Far East Battery

FEB Residential Battery Energy Storage System

Founded in 2009, Far East Battery (FEB) is a leading provider of integrated solutions for lithium-ion battery systems. It is specialized in R&D and manufacturing of lithium-ion cells, modules and pack systems and has the capability to provide users with energy storage systems that can be used in all scenarios, and also to customize lithium-ion battery system solutions for special uses.

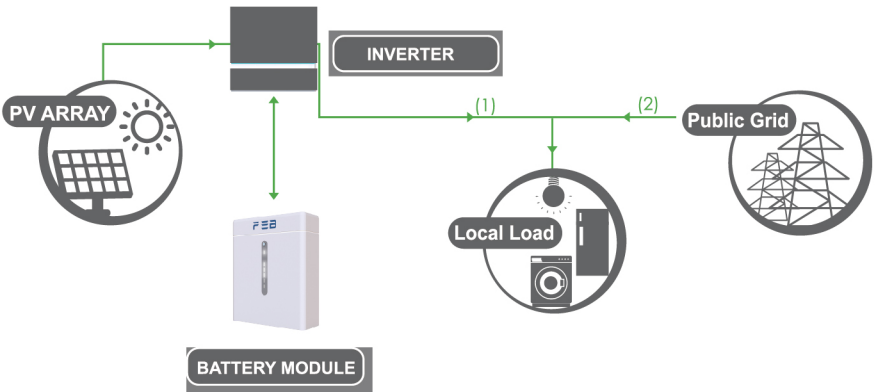
FEB has two lithium-ion battery production bases in China, where cylindrical and pouch cells and packs are produced. It is one of the globally major residential battery suppliers for energy storage system and has already provided energy storage products and services for 30,000 households. It is committed to providing users with lithium-ion battery systems characterized with high safety and reliability, which have been widely recognized and praised by users in the market.



Product Advantages

- ◇ Its use of long-life lithium-ion phosphate battery and excellent product design ensures a long service life of more than 10 years.
- ◇ Its modular design ensures flexible scalable configurations and easy maintenance.
- ◇ Be specially designed for household use and be characterized with one-key start and automatic intelligent management.
- ◇ Its multiple protection design ensures high safety.
- ◇ Support multiple installation modes and be applicable for all scenarios.
- ◇ Be characterized with automatic address identification functions.
- ◇ With certifications issued by global certification center.

Household Energy Storage System



Authority Certification

FEB is awarded for such certifications as IEC61000-6-1/3, IEC62619 and UN38.3.



UN38.3

Datasheet

Model	FEB-LV2500-M1	FEB-LV5000-M2	FEB-LV5000-W1
Nominal Energy	2.56 kWh	5.12 kWh	5.12 kWh
Series and Parallel Configurations	1P16S	2P16S	2P16S
Nominal Voltage	51.2 V dc	51.2 V dc	51.2 V dc
Operation Voltage Range	45.6~57.6 V dc	45.6~57.6 V dc	45.6~57.6 V dc
Max. Continuous Charge and Discharge Current	Charge: 25A Discharge: -50A	Charge: 50A Discharge: -100A	Charge: 50A Discharge: -100A
Max. Parallel Number	16	16	16
Max. Continuous Charging and Discharging Current after Parallel Configurations	Charge: 100A Discharge: -100A	Charge: 100A Discharge: -100A	Charge: 100A Discharge: -100A
Communications	CAN/RS485	CAN/RS485	CAN/RS485
Environment Humidity	≤85%	≤85%	≤85%
Environment Temperature	-20 ° C ~ 50 ° C	-20 ° C ~ 50 ° C	-20 ° C ~ 50 ° C
Altitude	< 2000m	< 2000m	< 2000m
Ingress Protection	IP20	IP20	IP55
Dimension (W*D*H)	440*440*89mm	440*440*176mm	500*600*170mm
Weight	≤25 kg	≤45 kg	≤50 kg
Mounting Method	Cabinet/Wall-mounted/Floor-mounted (indoor)	Cabinet/Wall-mounted/Floor-mounted (indoor)	Cabinet/Wall-mounted/Floor-mounted (outdoor)
Certification	UN38.3, IEC61000-6-1/3	IEC62619, UN38.3, IEC61000-6-1/3	IEC62619, UN38.3, IEC61000-6-1/3
Life Cycle	10 Years	10 Years	10 Years

FEB-LV2500-M1



- ◇ LiFePO4
 - ◇ Allow parallel connection of multi-machine at any SOC and easy to use
 - ◇ Compact design and high space utilization
 - ◇ Multi-mounting modes
 - ◇ Flexible energy configuration
 - ◇ Multiple wake-up modes
-

FEB-LV5000-M2



- ◇ LiFePO4
 - ◇ Allow parallel connection of multi- machine at any SOC and easy to use
 - ◇ Multi-protection and high safety performance
 - ◇ Multi mounting modes
 - ◇ Automatic address coding and easy to use
 - ◇ Multiple wake-up modes
-

FEB-LV5000-W1



- ◇ LiFePO4
- ◇ Allow parallelconnection of multi-machine at any SOC and easy to use
- ◇ Multi-protection and high safety performance
- ◇ Automatic address coding and easy to use
- ◇ Multiple wake-up modes
- ◇ Fashionable design
- ◇ Applicable for indoor and outdoor use



FEB

Address of Jiangxi Base: No.39 Jingfa Avenue, Yichun Economic and Technological Development Zone, Jiangxi Province

Address of Jiangsu Base: No.8, Keji Avenue Gaocheng Town, Yixing City, Jiangsu Province

