



PT.ALFO CITRA ABADI

RESIDENTIAL ENERGY STORAGE SYSTEM

Powerful, Practical, Proven

Lower your power bill and protect from power outages.

Traditional grid-tied solar systems only operate when utility power is available.

without energy storage, a grid-tied PV solar system shuts down during a power outage. The addition of ALCA Metals residential BESS can provide seamless, uninterrupted power for your house-hold during an outage while still offsetting your power bill.

ALCA Metals Residential BESS

Stay energized even when the grid is down



ALCA METALS SYSTEM FEATURES & BENEFITS

- Set for easy installation-perfect for the contractor or handy homeowner.
 - Systems scalability accordingly specific needs.
 - Long-term warranty
 - Compact and robust design
 - Outstanding performance and reliability
 - Optimized total cost of ownership
- Advanced Battery Management System for safe and efficient operation
 - Ensured compatibility of all system components
 - State-of-the-art technology and design
 - Simplified maintenance and control
 - High temperature performance



Long Cycle Life



Module Design



Easy For Installation



Ultra Safety



No Pollution



Support System
Parallel Connection



High Energy
Transfer Efficiency



High Charge &
Discharge Rate



High Temperature
Performance



Easy Control



SPECIFICATION				
Model No.	LFP48-50	LFP48-100	LFP51.2-50	LFP51.2-100
Battery Pack	48V50Ah	48V100Ah	51.2V50Ah	51.2V100Ah
Battery Energy	2.4kWh	4.8kWh	2.56kWh	5.12kWh
Usable Energy	2.2kWh	4.4kWh	2.4kWh	4.8kWh
Approx Weight	31kgs	50kgs	33kgs	53kgs
Dimension	482*440*133mm	482*410*177mm	482*440*133mm	482*410*177mm
Nominal Voltage	48V	48V	51.2V	51.2V
Rated Capacity	50Ah	100Ah	50Ah	100Ah
Discharge Current	50A	100A	50A	100A
Charge Current	≤ 50A	≤ 100A	≤ 50A	≤ 100A
Discharge Cut-off Volt.	37.5V	37.5V	40V	40V
Charge Voltage	54.75V	54.75V	58.4V	58.4V
Cooling Type	Natural Cooling			
Altitude[M]	<4000			
Waterproof Rating	IP56			
Charge Mode	CC/CV			
Working Temperature	-20 C ~+60 C			
Humidity	5% ≤ RH ≤ 95%			
Communication	CAN/RS485/RS232			
Max. Parallel Quantity	32 Modules			
Certification	UL1973, TUV CB/IEC62619, UN38.3 & MSDS			
Cycle Life(25℃)	≥6000 Cycles			
Life Span	20 Years			