



# Residential LFP Battery Series

LV-BAT-R5.12Aa

51.2V 100Ah 5.12kWh

Whether installed in a cabinet, stacked, or even mounted on the wall, our 3U energy storage battery provides a flexible and versatile solution. Experience durable and long-lasting energy storage in every unique scenario.



LV-BAT-R5.12Aa 3U Rack-Mount Battery is made of LiFePo4 battery. It is a new type of backup power supply for the development of high-tech products. With the advantage of integration, miniaturization, light, intelligence, standardized, environmental protection, it is a key energy storage element in modern energy storage systems. Integrate solar inverters and LiFePO4 battery enclosures into a pre-wired modular system for easier and faster installation.

**DONGUAN  
LITHIUM VALLEY  
ENERGY CO., LTD .**

## FEATURES



**3U Design**  
Applicable for cabinet telecom and solar energy storage system



**Flexible Capacity**  
Max.15pcs in Parallel to extend capacity



**Safe & Reliable**  
Lithium Iron Phosphate (LFP) Cell



**LED Display**  
SOC, Battery Status

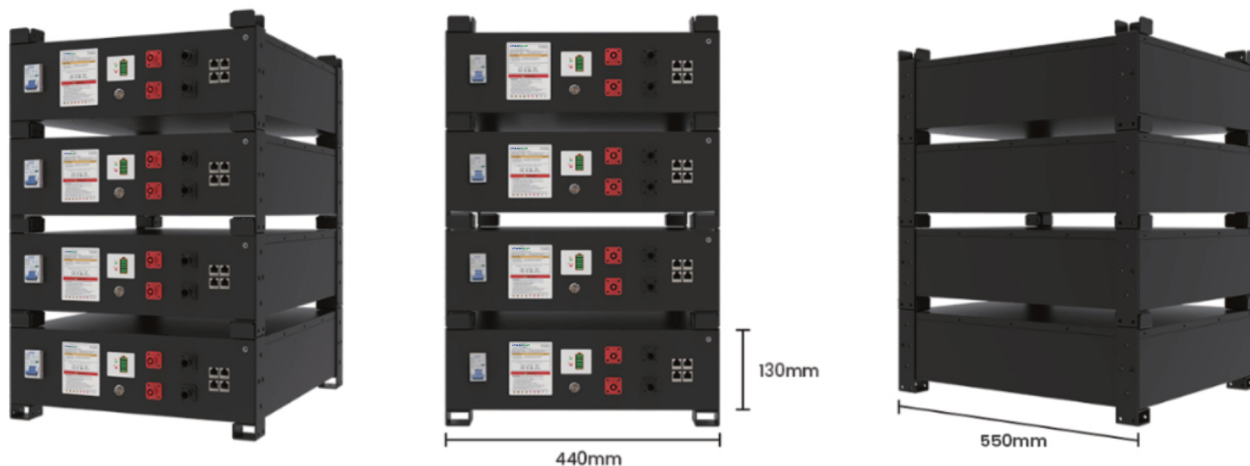


**Easy Installation**  
Quick plug in +/- and RS485 parallel connection



**Certificates**  
CB, IEC62619, UL1973, UL9540A, UKCA, CE-EMC, CE-GPDS, EN62619; UN38.3, MSDS

# Dimensions



Model	LV-BAT-R5.12Aa
Nominal Voltage	51.2V
Rated Capacity	100Ah
Energy	5120Wh
Charging Cut-off Voltage	56.16 V
Discharge Cut-off Voltage	45.6 V
Recommend charge/discharge current	50A
Maximum continuous charge/discharge current	100A
Instantaneous discharge current	200A/1S
Charge temperature	0~55°C
Discharge temperature	-20~60°C
Storage Environment (50% state of charge)	20°C ~ 45°C in three months; 25±3°C over three months; Humidity:65±20%RH
Environment	Indoor
Installation	Wall-mounted/Rack Mount
Cell Technology	Lithium iron phosphate (LiFePO4)
Life Cycle	6000 times @80%DOD
Cooling	Natural cooling
Protection Rating	IP20
Certificates	CB, IEC62619, UL1973, UL9540A, UKCA, CE-EMC, CE-GPDS,EN62619; UN38.3, MSDS

## Dimension and Weight

Dimension	550*440*130mm(3U)
Weight	44.35KG/47.85KG

## Communication Instruction

Communication	RS232, CAN, RS485
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\*The actual product may have slight differences from some promotional videos or pictures. Please refer to the actual product. Unless otherwise specified the data on this page are all from our company's laboratory. The data may have errors due to changes in the objective environment.

\*The specifications are subject to change without prior notice.

