



Residential LFP Battery Series

LV-BAT-W5.12Da

51.2V 100Ah 5.12kWh

A sleek and space-saving solution for your energy storage needs. With its compact design and easy installation, it seamlessly blends into any environment. Whether in your home, office, or commercial space, our wall-mounted unit provides reliable and efficient energy storage.



LV-BAT-W5.12Da is a perfect wallmounted solar energy lithium battery for residential home use. Built-in with High-Quality LiFePO4 large capacity cells. It ensures a long cycle life of the battery system. The designed BMS is verified to be compatible with different brands of inverters, hybrid on grid&off grid or off grid.

FEATURES



Unique Design

New wall mount design



Flexible Capacity

Max.15pcs in Parallel to extend capacity



Safe & Reliable

Lithium Iron phosphate (LFP) Cell
Built-in hot aerosol fire extinguishing device



LED Display

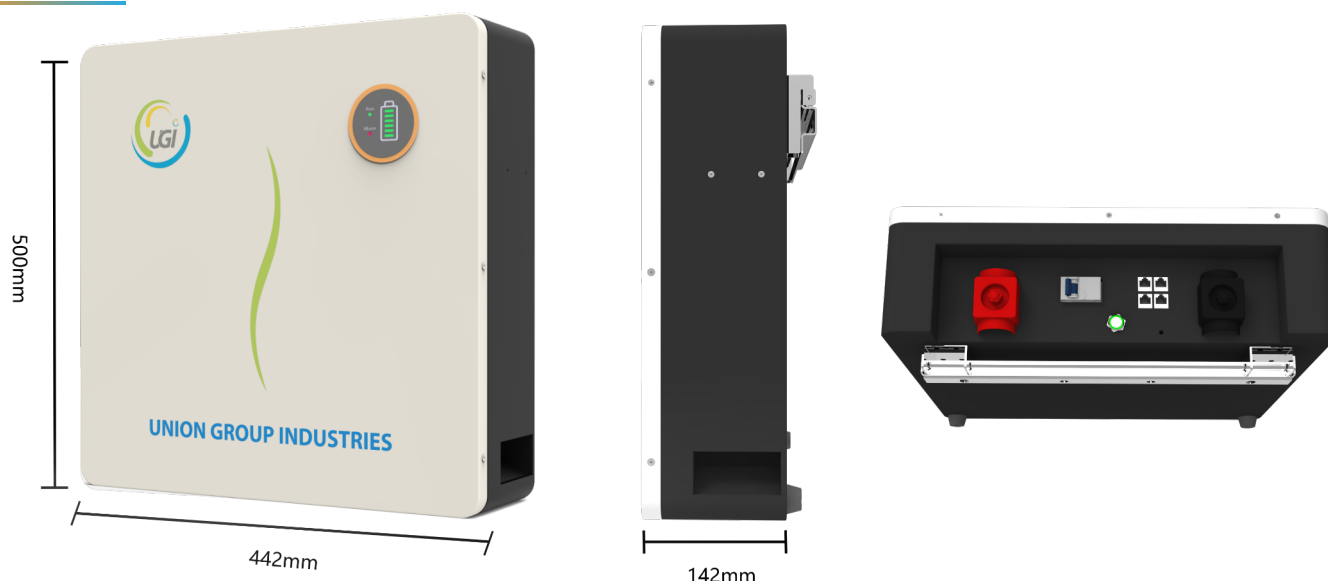
SOC, Battery Status



Easy Installation

Quick plug in +/- and parallel connection

Dimensions



Model	LV-BAT-W5.12Da
Nominal Voltage	51.2V
Rated Capacity	100Ah
Energy	5120Wh
Charging Cut-off Voltage	56.16 V
Discharge Cut-off Voltage	45.6 V
Maximum continuous charge/discharge current	100A
Instantaneous discharge current	200A/3S
Charge temperature	0~55°C
Discharge temperature	-20~60°C
Storage Environment	20°C ~ 45°C in three months;
(50% state of charge)	25±3°C over three months; Humidity:65±20%RH
Environment	Indoor
Installation	Wall mounted
Cell Technology	Lithium iron phosphate (LiFePO4)
Cooling	Natural convection
Protection Rating	IP54

Dimension and Weight

Dimension	442*500*142mm
Weight	41.88KG

Communication Instruction

Communication	RS232, CAN, RS485
Expansion function	Single-pack level heat aerosol fire extinguishing device

Karachi Office:

Address: Plot # 1-BA, Sector 29, Korangi Industrial Area, Karachi
Email: abbas@ugl1.com
Contact: +92-333-3120972 +92-301-1121952

Lahore Office:

Address: Plot # 287, AbPara Housing Society, Canal Road, Lahore
Email: import@uniongroupindustries.com hassan@uniongroupindustries.com
Contact: +92-42-37456318 +92-317-4454362 +92-301-1131433

Faisalabad Office:

Address: Plot # 775, B Block, Millat Town, Faisalabad
Email: hassan@uniongroupindustries solar@ugl1.com
Contact: +92-310-2622259 +92-317-4454362