Residential LFP Battery Series

CELL-X W5.12b   **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.

CELL-X W5.12b is a perfect wall-mounted 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

LED Display
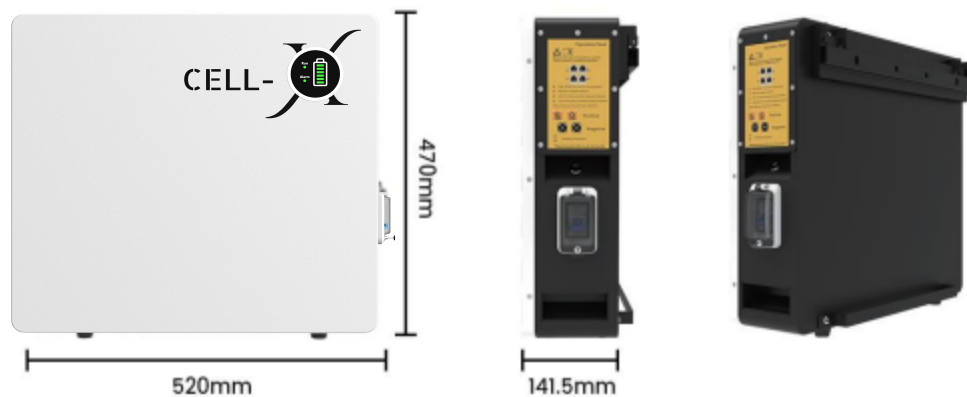SOC, Battery Status

Easy Installation
Quick plug in +/- and parallel connection

Certificates
CB, IEC62619, UL1973, UKCA, CE-EMC, CE-GPSD, EN62619 ; UN38.3, MSDS

Dimensions

Model	CELL-X W5.12b
Nominal Voltage	51.2V
Rated Capacity	100Ah
Energy	5120Wh
Battery Impedance	≤ 50 mΩ
Charging Cut-off Voltage	56.16 V
Discharge Cut-off Voltage	45.6 V
Recommend Charge Current	0.2C 20A
Max. Charge Current	0ºC ~ 15ºC: 20A; 15ºC ~ 45ºC: 50A;
Max Continue Discharge Current	100A, −20ºC~60ºC ; 65±20%RH
Operating Temperature Range	−20~60℃
Storage Environment (50% state of charge)	20ºC ~ 45ºC in three months; 25±3ºC over three months; Humidity:65±20%RH
Environment	Indoor
Installation	Wall mounted/Floor stand
Cell Technology	Lithium iron phosphate (LiFePO4)
Life Cycle	6000 times @80%DOD
Cooling	Natural convection
Protection Rating	IP65
Certificates	CB, IEC62619, UL1973, UKCA, CE-EMC, CE-GPSD, EN62619 ; UN38.3, MSDS

Dimension and Weight	
Dimension	520*470*141.5mm
Battery Net Weight/Gross Weight	48.45KG/54.15KG

Communication Instruction	
RS232	Only for debugging, BMS can communicate with the host computer Through the RS232 interface, so that various information of the battery can be monitored through the host computer, including battery voltage, current, temperature, status and battery production information, etc. The default baud rate is 9600bps.
CAN	For monitoring battery status, with isolated CAN communication, the default communication rate is 500K.
RS485	RS485 is used in parallel, with dual RS485 interfaces, can view the PACK information, the default baud rate is 9600bps.