
# 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

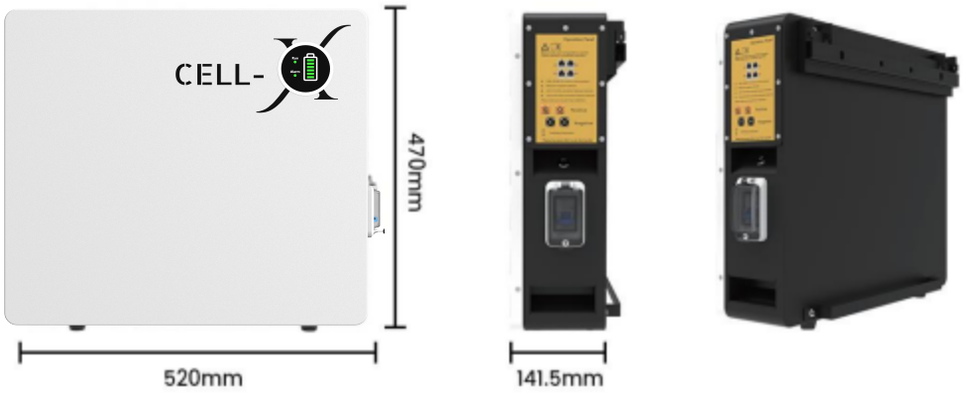
**Safe &Reliable**
Lithium Iron Phosphate (LFP) Cell

**LED Display**
SOC, Battery Status

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

**Certificates**
AS/NZS 3820:2009,SDoC(New Zealand), RCM,EN62619 ; UN38.3, MSDS,EN IEC 61000-6-3:2021 EN IEC61000-6-4:2019

## 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 | 0°C ~ 15°C: 20A; 15°C ~ 45°C: 50A; |
| Max Continue Discharge Current | 100A, -20°C~60°C ; 65±20%RH |
| Operating Temperature Range | -20~60℃ |
| Storage Environment<br>(50% state of charge) | 20°C ~ 45°C in three months;<br>25±3°C 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 | AS/NZS 3820:2009,SDoC(New Zealand), RCM,EN62619 ; UN38.3, MSDS,EN IEC 61000-6-3:2021 EN IEC61000-6-4:2019 |
| **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. |