

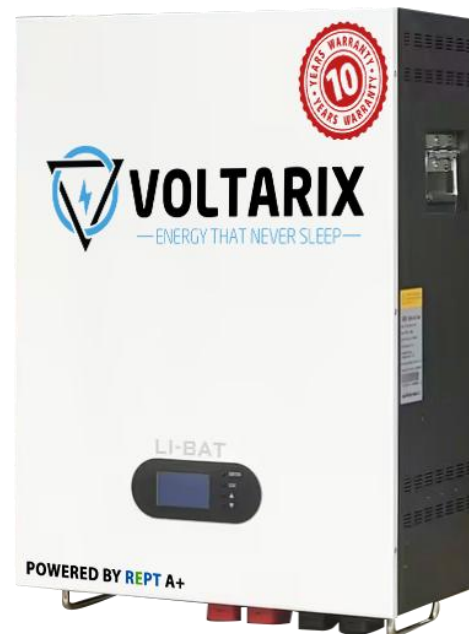
Product Datasheet

Wall Mounted Lithium Battery

Description

The product features a modular and highly integrated design, optimizing installation space and enhancing system efficiency. Built with high-performance LiFePO_4 (lithium iron phosphate) cells offering excellent consistency, it ensures a service life of over 10 years.

With a one-button power control, front-access installation, and user-friendly maintenance, the system delivers both simplicity and reliability. Comprehensive protection functions — including over-temperature, overcharge, over-discharge, and short-circuit protection — guarantee safe and stable operation in all conditions.



Key Features

1. **Long-cycle performance** – Rechargeable lithium battery with over 5000 deep cycles for extended service life.
2. **Performance** and high energy output.
3. **User-friendly design** – Easy installation and maintenance for fast deployment and reliable operation.
4. **Eco-conscious solution** – Energy-efficient and environmentally friendly technology supporting a sustainable future.
5. **Enhanced safety** – IP20 protection level provides reliable safety for indoor applications.
6. **Integrated intelligence** – Built-in Battery Management System (BMS) ensures precise monitoring and protection.
7. **Flexible customization** – Supports OEM/ODM services to meet diverse customer requirements.
8. **Premium efficiency** – Equipped with A+ grade CALB cells ensuring stable

Specification

MODEL	VLX24-100W	VLX24-200W	VLX48-100W	VLX48-200W	VLX51.2-100W	VLX51.2-200W
Nominal voltage	25.6V		48V		51.2V	
Nominal capacity	100Ah	200Ah	100Ah	200Ah	100Ah	200Ah
Nominal energy capacity	2.56kWh	5.12kWh	4.8kWh	9.6kWh	5.12kWh	10.24kWh
Operating voltage range	22.4-29.2V		42-54.75V		44.8-58.4V	
Recommended charging voltage	27.6V		51.75V		55.2	
Recommended discharge cut-off voltage	24V		45V		48V	
Standard charging /Discharging current	0.5C					
Maximum continuous charging/ discharging current	1C (Customizable)					
Applicable temperature	-30～60 °C(Recommended10～35)					
Permissible humidity range	< 85%RH					
Storage temperature	-20～65 °C(Recommended10～35)					
Protection level	IP20					
Cooling method	Natural air cooling/ intelligent fan					
Maximum size (D*W*H)	687x450x186mm			682x465x276mm	687x450x186mm	682x465x276mm
Weight	28kg	49kg	46kg	89kg	49kg	93kg