

Product Datasheet

Commercial & Industrial Energy Storage Battery System 96v-384v & 480V-768V



Description

The VLXC-H2 series is a high-voltage (96- 384V DC & 480–768V DC), large-capacity LiFePO₄ battery system designed for advanced commercial and industrial applications. Featuring a modular and scalable design, it enables quick installation, one-button operation, and intuitive monitoring through touchscreens on each battery rack. Fully compatible with UPS systems, solar inverters, and other key power equipment, the VLXCI-H2 supports diverse communication interfaces such as CAN, RS485, and dry contacts for remote management. Equipped with high-safety LiFePO₄ cells and an intelligent BMS, it ensures exceptional reliability, efficiency, and stable performance even under challenging environmental conditions.

Key Features

1. **Modular architecture** with automatic ID recognition for optimized installation space.
2. **One-touch power control** enables simple installation, easy operation, and effortless maintenance.
3. **Integrated touch screen** on each battery cluster provides a clear, real-time display of system status.
4. **High compatibility**, allowing seamless integration with UPS systems, solar PV generation, and other major equipment.
5. **Versatile communication options** — including CAN, RS485, and dry contact — ensuring compatibility with various inverters and supporting customized interfaces for remote system monitoring.

Specification

Lithium Battery Pack Parameters Tables

Model	Cell Type	Nominal Energy	Nominal Capacity	Nominal Voltage	Operating Voltage Range	Working Temperature	Prot.	Reference Weight	Reference Size (D×W×H) mm
VLXCI-9650	52Ah	5kWh	52Ah	96VDC	87–106.5VDC	-20–65°C	IP20	47.1kg	630×475×162
VLXCI48100	100Ah	4.8kWh	100Ah	48VDC	43.5–53.2VDC	-20–65°C	IP20	86.6kg	640×510×252
VLXCI32150	156Ah	4kWh	156Ah	32VDC	29–35.5VDC	-20–65°C	IP20	153kg	510×904×252
VLXCI96100	100Ah	9.6kWh	100Ah	96VDC	87–106.5VDC	-20–65°C	IP20	-	-
VLXCI48200	200Ah	9.6kWh	200Ah	48VDC	43.5–53.2VDC	-20–65°C	IP20	-	-
VLXCI32300	300Ah	9.6kWh	300Ah	32VDC	29–35.5VDC	-20–65°C	IP20	-	-
VLXCI48300	300Ah	14.4kWh	300Ah	48VDC	43.5–53.2VDC	-20–65°C	IP20	-	-

Lithium Battery Cluster Voltage Platform Parameter Table

Model	Nominal Voltage	Nominal Capacity	Operating Voltage Range	Recommended Charge/Discharge Current
VLXCI96100/200/300	96V	100/200/300Ah	87–106.5VDC	50/100/150A
VLXCI192100/200/300	192V		174–213VDC	
VLXCI220100/200/300	220V		200–245VDC	
VLXCI288100/200/300	288V		260–319.5VDC	
VLXCI360100/200/300	360V		325–400VDC	
VLXCI384100/200/300	384V		348–426VDC	
VLXCI480100/200/300	480V		435–532VDC	
VLXCI512100/200/300	512V		464–568VDC	
VLXCI576100/200/300	576V		522–639VDC	
VLXCI672100/200/300	672V		609–745.5VDC	
VLXCI768100/200/300	768V		696–852VDC	