



## High-Voltage Lithium Battery

# MOTOMA HV-M 92 - 193

Introducing the MOTOMA High Voltage Battery 614.4V, the epitome of safety and reliability in the world of energy storage. This cutting-edge lithium iron phosphate battery system is specifically designed to cater to the demanding needs of UPS, home storage, and industrial as well as commercial energy storage fields. Offering high performance, exceptional stability, and unparalleled efficiency, the MOTOMA High Voltage Battery ensures seamless operation across a wide range of applications. Whether you're looking to secure uninterrupted power supply, optimize home energy consumption, or enhance industrial energy capabilities, this 614.4V system delivers the solution you need with unmatched versatility and reliability.

## Features

### ■ Safe, Reliable, and Long Life :

Built with safety at its forefront, our battery system offers unmatched reliability and longevity, ensuring peace of mind for all users.

### ■ Standardized Module Design :

The system's modular design promotes ease of installation and scalability, allowing for straightforward integration into various energy storage applications.

### ■ Discharge and Charge Control :

Enhanced control mechanisms allow for efficient management of both charging and discharging processes, optimizing performance and extending battery life.

### ■ No-Gap Power Supply :

Engineered to provide a continuous power supply, ensuring that your energy needs are met without interruption.

### ■ Communication Ports(CAN/RS485/LAN) :

Offers versatile connectivity options, facilitating seamless communication with energy management systems for real-time monitoring and control.

### ■ LCD Display :

A user-friendly LCD display provides essential information at a glance, allowing for easy monitoring of the battery's status and performance.

### ■ Flexible Capacity :

The system's design supports capacity expansion, enabling customization to meet specific energy requirements, providing a tailored solution for every user.

### ■ Efficient Operation and Maintenance :

Designed with efficiency in mind, the battery system ensures straightforward operation and minimal maintenance, reducing downtime and operational costs.



Commercial Premises



Industrial Park



Mine



Petrol Station



Pastoral



Data Center



Island

## Technical Parameters

BATTERY MODEL	HV-M92	HV-M122	HV-M193
Module Capacity	150Ah	200Ah	314Ah
Module Nominal Voltage		51.2V	
Module Energy	7.68kWh	10.24kWh	16.07kWh
Module Voltage Range		43.2 ~ 58.4V	
Module Dimension (W × D × H)	580×440×178mm	760×440×135mm	760×440×230mm
Module Weight Approximate	60Kg	78Kg	95Kg
Battery Module Qty In Series		12	
System Nominal Voltage		614.4V	
System Energy	92.16kWh	122.88kWh	192.92kWh
System Voltage Range		518.4~700.8V	
System Dimension (W × D × H)	1800×1100×600mm	1600×1200×800mm	2100×1100×800mm
System Weight Approximate	950Kg	1160Kg	1300Kg
Max. Charging Current	100A		150A
Max. Discharging Current	100A		150A
Cycle Life	6000		8000
Charging Temperature Range		0°C ~ 45°C	
Discharging Temperature Range		-20°C ~ 60°C	
Humidity		5% ~ 85%RH	
Altitude		≤3000m	
IP Rating of Enclosure		IP20	
Recommend Depth of Discharge		0.9	
Installation Location		Rack-Mounted	
Storage Temperature		0°C ~ 35°C	
Communication Port		RS485/CAN	
Warranty		10 Years	
Certification		UN38.3	