



## High-Voltage Lithium Battery **MOTOMA DSE-LFP 614.4V**

**100 AH | 150 AH | 200 AH**

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 PowerSupply :

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

# HIGH-VOLTAGE LITHIUM BATTERY

## MOTOMA DSE-LFP 614.4V



Commercial  
Premises

Industrial  
Park

Mine

Petrol Station

Pastoral

Data Center

Island

### Technical Parameters

| BATTERY MODEL                 | DSE-LFP614.4V100A | DSE-LFP614.4V150A | DSE-LFP614.4V200A |
|-------------------------------|-------------------|-------------------|-------------------|
| Module Capacity               | 100Ah             | 150Ah             | 200Ah             |
| Module Nominal Voltage        | 51.2V             |                   |                   |
| Module Energy                 | 5.12kWh           | 7.68kWh           | 10.24kWh          |
| Module Voltage Range          | 43.2 ~ 58.4V      |                   |                   |
| Module Dimension (W × D × H)  | 580×440×178mm     |                   | 760×440×135mm     |
| Module Weight Approximate     | 45Kg              | 60Kg              | 78Kg              |
| Battery Module Qty In Series  | 12                |                   |                   |
| System Nominal Voltage        | 614.4V            |                   |                   |
| System Energy                 | 61.44kWh          | 92.16kWh          | 122.88kWh         |
| System Voltage Range          | 518.4~700.8V      |                   |                   |
| System Dimension (W × D × H)  | 1800×1100×600mm   |                   | 1600×1200×800mm   |
| System Weight Approximate     | 720Kg             | 950Kg             | 1160Kg            |
| Max. Charging Current         | 100A              |                   |                   |
| Max. Discharging Current      | 100A              |                   |                   |
| 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  | 90%               |                   |                   |
| Installation Location         | Rack-Mounted      |                   |                   |
| Storage Temperature           | 0°C ~ 35°C        |                   |                   |
| Cycle Life                    | 6000              |                   |                   |
| Communication Port            | RS485/CAN         |                   |                   |
| Warranty                      | 10 years          |                   |                   |
| Certification                 | UN38.3            |                   |                   |