## **HIGH-VOLTAGE LITHIUM BATTERY**

# **MOTOMA DSE-LFP 614.4V**





# 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 tor 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 :

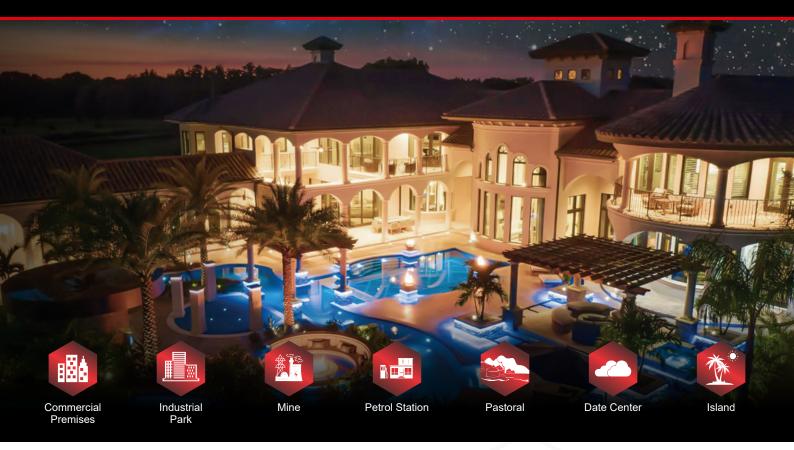
Designed with efficiency in mind, the battery system ensures straightforward operation and minimal maintenance, reducing downtime and operational costs



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## **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		

