

## High-Voltage Lithium Battery

### **MOTOMA HV-M 40 ~ 61**

Introducing the MOTOMA High Voltage Battery, 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 HV-M series 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. Up to 8 battery cabinets can be managed in parallel.

### ■ 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 :

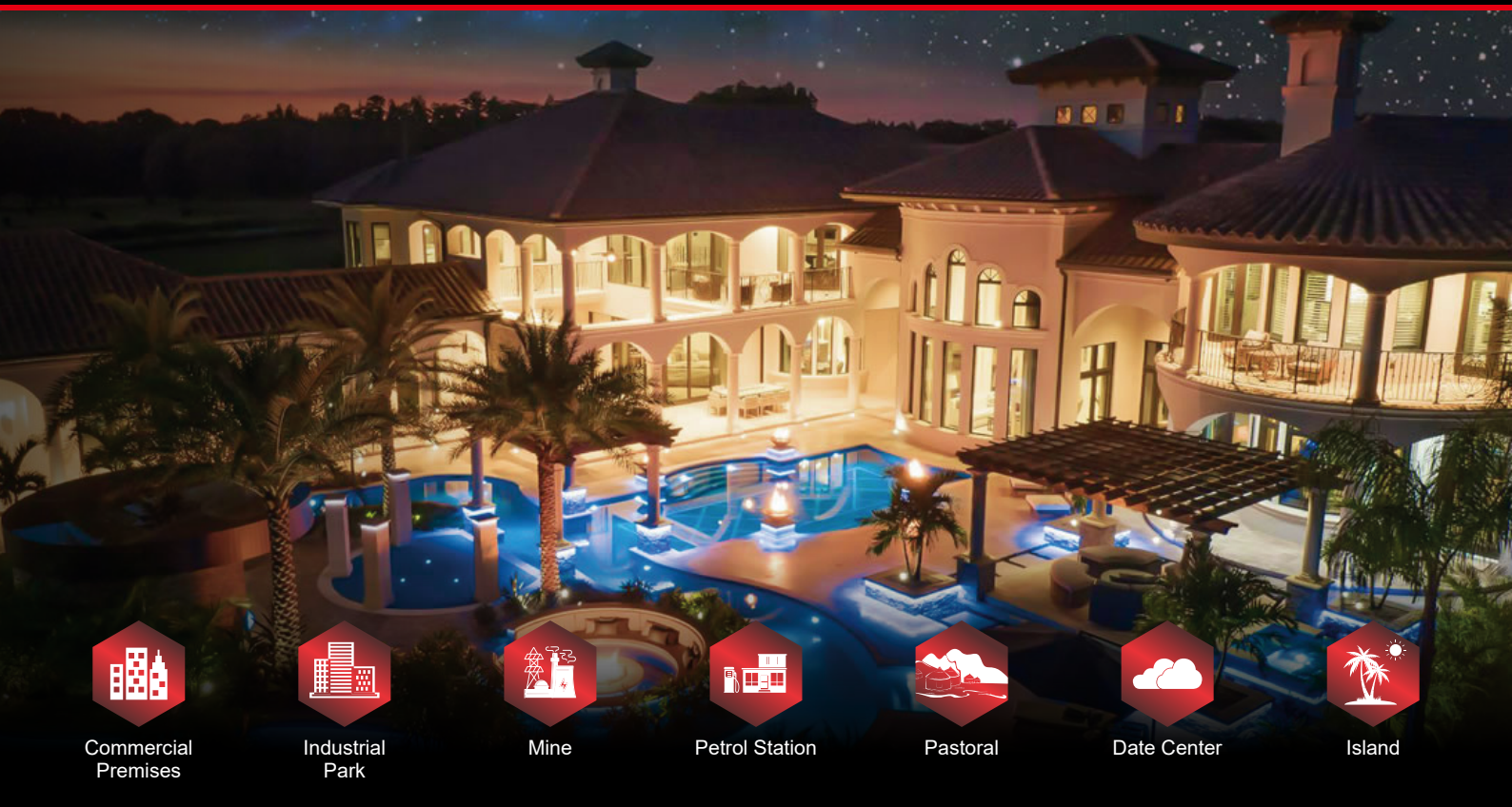
A user-friendly LCD display provides essential information at a glance, allowing for easy monitoring of the battery's status and performance.

### ■ 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  
PremisesIndustrial  
Park

Mine

Petrol Station

Pastoral

Data Center

Island

## Technical Parameters

BATTERY MODEL	HV-M40		HV-M51	HV-M61
Module Capacity			100Ah	
Module Nominal Voltage			51.2V	
Module Energy			5.12kWh	
Module Voltage Range			43.2 ~ 58.4V	
Module Dimension (W × D × H)			580×442×134.5mm	
Module Weight Approximate			42Kg	
Battery Module Qty In Series	8		10	12
System Nominal Voltage	409.6V		512V	614.4V
System Energy	40.96kWh		51.2kWh	61.44kWh
System Voltage Range	345.6~467.2V		432~584V	518.4~700.8V
System Dimension (W × D × H)	910×580×840mm		910×580×1010mm	910×580×1080mm
System Weight Approximate	370Kg		460Kg	545Kg
Max. Charging Current			100A	
Max. Discharging Current			100A	
Cycle Life			6000	
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/LAN	
Certification			UN38.3	