

# Micergy

## M-Power Series Low Voltage Battery Energy Storage System | ML512

The Micergy M-Power series is a high-performance, scalable battery energy storage system designed for residential and light commercial & industrial power back-up and off-grid scenarios, thanks to the built-in smart BMS, it allows up to 16 units in parallel connection to meet tailored power needs, besides, it provides the protection and recovery functions of overvoltage, undervoltage, overcurrent, high temperature, low temperature, short circuit and charging reverse connection. Realize the SOC precise measurement and SOH health status statistics in the process of charging and discharging, now enjoy the safety power with M-Power.



### High Flexibility.

Up to 16 pcs in parallel, scalable from 5.12kWh to 81.92kWh.



### Wide Compatibility.

Matching with leading battery inverters.



### Easy maintenance.

Cell level replacement simple by bolt and nut connection



### APP monitoring(Optional).

Real-time monitoring by Bluetooth or WiFi



Compact sleek  
streamline design



Wall-mounted,  
space saving



Long lifespan,  
6000 cycles



User-friendly, 2.8''  
touch screen

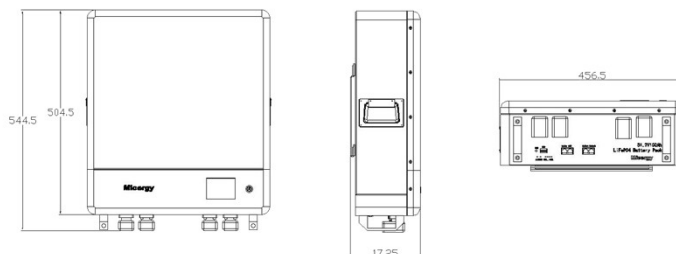


CAN/RS485  
Communication

## GENERAL SPECIFICATIONS

Physical Parameters	Cell Type	LiFePO4 Prismatic Cell
	Cell Manufacturer	EVE
	Product Dimension(mm)	456×544×172
	Package Dimension(mm)	500*585*220
	Net Weight	50
	Gross Weight	52
	Ingress Protection Protection	IP21 (Indoor)
Electrical Performance	Installation	Wall-mounted
	Nominal Energy	5.12kWh
	Nominal Voltage	51.2V
	Nominal Capacity	100Ah
	Operating Voltage Range	40V-58.4V
	Cycling Performance	0.5C, >6000 Cycle @ 80% DoD, 25°C, 80%EOL
	Operating Parameters	Maximum Charging Current(A)
Maximum Discharging Current(A)		100A
Charging Cut-off Voltage(V)		58.4V
Discharge Cut-off Voltage(V)		40V
Recommended Charging Current(A)		≤50A
Recommended Discharging Current(A)		≤50A
Humidity		0-95%
Altitude		≤2000m
Charging Temperature		0°C-65°C
Discharging Temperature		-20°C-65°C
Communication	Storage Temperature	-20°C-45°C, SOC:20%-50%
	Communication	Standard(CAN, RS485), Optional(Bluetooth, WiFi)
	Compatible Inverter Brand	Deye, Voltronic, Growatt, SRNE, invt, Sorotec, Must etc...
	Display	Touch Screen, LED Indicators
	Scalability	Max. 16pcs in Parallel
Warranty	Warranty	10 Years
	Design Performance Life	15 Years

## Measurements



\* System Usable Energy may vary with different Inverter.

\* Charging and discharging performance may vary with Temperature and SOC.

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## Micergy Company Limited

Address: Building 6, CSST Industrial Park, Guangming New District, Shenzhen, Guangdong, China 518000  
 Email: info@micergy.com ; Website: www.micergy.com

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