

The Micergy M-Power series is a high-performance, scalable battery energy storage system designed for residential 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 1.28kWh to 20.48kWh.



### 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

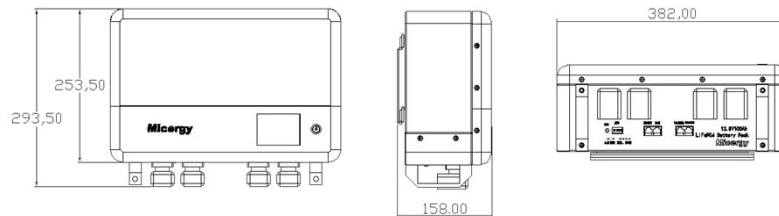


CAN/RS485 Communication

## GENERAL SPECIFICATIONS

Physical Parameters	Cell Type	LiFePO4 Prismatic Cell
	Cell Manufacturer	EVE
	Product Dimension(mm)	382*293*158
	Package Dimension(mm)	430*340*200
	Net Weight	17.3kg
	Gross Weight	18.5kg
	Ingress Protection Protection	IP21 (Indoor)
Electrical Performance	Installation	Wall-mounted
	Nominal Energy	1.28kWh
	Nominal Voltage	12.8V
	Nominal Capacity	100Ah
	Operating Voltage Range	10V--14.6V
	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)		14.6V
Discharge Cut-off Voltage(V)		10V
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	15Years

## Measurements



\* System Usable Energy may vary with different Inverter.

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

# Micergy

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