

The Micergy IoT EV battery is designed for electric 2&3 wheelers for longer range and battery swapping purpose, the battery with built-in GPS can track the real-time status of the battery and remote control, the smart BMS also 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, Micergy provide custom EV battery with different voltage, capacity, protocol, BMS, dimension and port to match different electric vehicles and battery swapping cabinets.



Bigger Capacity.

72V/50Ah big capacity for longer range for a single charge



GPS Tracking

Built-in GPS module for precise location



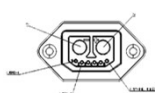
Longer Lifespan.

Grade A LiFePO4 battery cell > 6000 cycles @0.5C, longer lifespan



Smarter

Enjoy 'Battery as a Service' with Micergy M-Cloud Platform for remote monitoring and control.



Robust design,
plug & play with
one port



Safer battery with
smart BMS and
LiFePO4 cells



Long lifespan,
6000 cycles



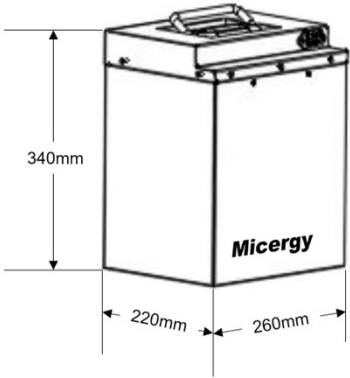
Maximum 120A
discharging current,
motor-friendly



RS485
Communication

GENERAL SPECIFICATIONS	Model	EMB-7250
Electrical Performance	Nominal Energy	3.82kWh, LiFePO4
	Nominal Voltage	73.6V
	Nominal Capacity	52Ah
	Operating Voltage Range	57.5V-83.95V
	Cycling Performance	>6000 Cycle @ 0.5C, 25°C, 80%EOL
Operating Parameters	Maximum Charging Current(A)	40A
	Maximum Discharging Current(A)	120A±10A(5000mS)
	Charging Cut-off Voltage(V)	57.5V
	Discharge Cut-off Voltage(V)	83.9V
	Standard Charging Current(A)	26A(Max 40A)
	Standard Discharging Current(A)	52A
	Humidity	0-95%
	Altitude	≤2000m
	Charging Temperature	0°C-65°C
	Discharging Temperature	-20°C-65°C
Physical Parameters	Storage Temperature	-20°C-45°C, SOC:20%-50%
	Product Dimension(W*H*D, mm)	260*200*340mm
	Net Weight	28kg
	Ingress Protection Protection	IP53
Communication	Communication	RS485
Warranty	Warranty	5 Years
	Design Performance Life	10 Years

Measurements



* Battery Usable Energy may vary with different usage scenario
* Charging and discharging performance may vary with Temperature and SOC.