



# ML-S09

## Marvel Lithium (LiFePO4)

New Lead Acid Replacement Battery

1. Using a Lithium LFP battery will give you about 40% more energy than lead acid battery
2. Grade A LFP New Cells
3. Smart BMS
4. Screen for full monitoring, with Bluetooth
5. Upgraded design with new Metal case for better heat dispatching
6. **3 Years Marvel Warranty with E warranty**





## Technical Specifications

Model Name	ML100-12.8-S09	ML200-12.8-S09	ML300-12.8-S09
Rated Voltage		12.8V	
Rated Capacity	100Ah	200Ah	300Ah
Rated Energy	1280Wh	2560Wh	3840Wh
Output Voltage Range		12V~14.4V	
Charging Voltage		14V~14.4V	
Cut-off Voltage		12V	
Max. Charging Current @I0sec	<100A	<200A	<200A
Recommended Charging Current/ discharging	<50A	<100A	<140A
Max. Discharging Current @I0sec	<100A	<200A	<200A
Efficiency		>98%	
Dimensions L*W*H (mm)	250*135.3*240	290*215.2*260	380*235.4*240
Weight (Kg) (±0.5)	15	28	35
Humidity		5%~95~ Relative Humidity	
Charging Temperature		0°C~60°C	
Discharging Temperature		-20°C~60°C	
Storage Temperature		-10°C~50°C	
Cycle Life	6000 Times (0.5C, @25C, 80%DOD)		8000 Times(0.5C,@25°C,80%DOD)
Design Life		>10 Years	

### Note:

#### 1. Series Connection Limitations:

- For 12V system Up to 4 batteries (reduces warranty to 18 months)

#### 2. Parallel Connection Limitations: Up to 4 batteries