



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. Built-in 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	ML314-12.8-S09
Rated Voltage	12.8V			
Rated Capacity	100Ah	200Ah	300Ah	314Ah
Rated Energy	1280Wh	2560Wh	3840Wh	4019Wh
Output Voltage Range	12V~14.4V			
Charging Voltage	14V~14.4V			
Cut-off Voltage	12V			
Max. Charging Current @10sec	<100A	<200A	<200A	<200A
Recommended Charging Current/ discharging	<50A	<100A	<140A	<150A
Max. Discharging Current @10sec	<100A	<200A	<200A	<200A
Efficiency	>98%			
Dimensions L*W*H (mm)	310*175*210	330*257*210	380*235.4*240	370*257*230
Weight (Kg) (±0.5)	13.5	24.5	35	31.5
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,@25°C,80%DOD)	6000 Times (0.5C,@25°C,80%DOD)	8000 Times (0.5C,@25°C,80%DOD)	6000 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