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**



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Technical Specifications

Model Name	ML100-12.8-S09	ML150-12.8-S09	ML200-12.8-S09	ML300-12.8-S09	ML314-12.8-S09
Rated Voltage			12.8V		
Rated Capacity	100Ah	150Ah	200Ah	300Ah	314Ah
Rated Energy	1280Wh	1920Wh	2560Wh	3840Wh	4019Wh
Output Voltage Range			12V~14.4V		
Charging Voltage			14V~14.4V		
Cut-off Voltage			12V		
Max. Charging Current @10sec	<100A	<150A	<200A	<200A	<200A
Recommended Charging Current/ discharging	<50A	<75A	<100A	<140A	<150A
Max. Discharging Current @10sec	<100A	<150A	<200A	<200A	<200A
Efficiency			>98%		
Dimensions L*W*H (mm)	310*175*210	320*235*175	490*175*210	380*235.4*240	370*257*230
Weight (Kg) (±0.5)	12	17	23	35	31.5
Humidity			5%~95~ Relative Humidity		
Charging Temprature			0°C~60°C		
Discharging Temprature			-20°C~60°C		
Storage Temprature			-10°C~50°C		
Cycle Life	6000 Times (0.5C,@25°C,80%DOD)	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

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