



ML S

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 with Bluetooth connection
4. Screen for full monitoring
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 S	ML150-12.8 S	ML166-12.8 S	ML200-12.8 S
Rated Voltage	12.8V			
Rated Capacity	100Ah	150Ah	166Ah	200Ah
Rated Energy	1280Wh	1920Wh	2124.8Wh	2560Wh
Output Voltage Range	12V~14.4V			
Charging Voltage	14V~14.4V			
Cut-off Voltage	12V			
Max. Charging Current @10sec	<80A	<100A	<100A	<100A
Recommended Charging Current / discharging	<50A	<75A	<75A	<75A
Max. Discharging Current @10sec	<80A	<100A	<100A	<100A
Efficiency	>98%			
Dimensions L*W*H (mm)	330*171*190	330*171*245	330*172*245	457*172*190
Weight (Kg) (±0.5)	12.2	16.3	18.3	21.1
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 (0.2C, @25C, 80%DOD)			
Design Life	>10 Years			

Note:

Series Connection Limitations:

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

Parallel Connection Limitations: Up to 4 batteries



Technical Specifications

Model Name	ML100-25.6 S	ML150-25.6 S	ML166-25.6 S	ML200-25.6 S
Rated Voltage	25.6V			
Rated Capacity	100Ah	150Ah	166Ah	200Ah
Rated Energy	2560Wh	3540Wh	4249.6Wh	5120Wh
Output Voltage Range	24V~29.2V			
Charging Voltage	28.4V~28.8V			
Cut-off Voltage	24V			
Max. Charging Current @10sec	<80A	<100A	<100A	<100A
Recommended Charging Current /discharging current	<50A	<75A	<75A	<75A
Max. Discharging Current @10sec	<80A	<100A	<100A	<100A
Efficiency	>98%			
Dimensions L*W*H (mm)	485*172*275	420*172*275	540*172*275	522*260*218
Weight (Kg) (±0.5)	21.5	29.4	33.4	39.3
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 (0.2C, @25C, 80%DOD)			
Design Life	>10 Years			

Note:

Series Connection Limitations:

For 24V system Up to 2 batteries (reduces warranty to 18 months)

Parallel Connection Limitations: Up to 4 batteries