



ML-S01

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
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-S01	ML150-12.8-S01	ML200-12.8-S01	ML280-12.8-S01
Rated Voltage	12.8V			
Rated Capacity	100Ah	150Ah	200Ah	300Ah
Rated Energy	1280Wh	1920Wh	2560Wh	3840Wh
Output Voltage Range	12V~14.4V			
Charging Voltage	14V~14.4V			
Cut-off Voltage	12V			
Max. Charging Current @10sec	<80A	<100A	<200A	<200A
Recommended Charging Current/ discharging	<50A	<75A	<100A	<100A
Max. Discharging Current @10sec	<80A	<100A	<200A	<200A
Efficiency	>98%			
Dimensions L*W*H (mm)	280*172*190	220*205*260	460*172*190	370*178*274
Weight (Kg) (±0.5)	12.5	18	22.5	31
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)			
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



Technical Specifications

Model Name	ML100-25.6-S01	ML200-25.6-S01	ML280-25.6-S01
Rated Voltage		25.6V	
Rated Capacity	100Ah	200Ah	280Ah
Rated Energy	2560Wh	5120Wh	7168Wh
Output Voltage Range		24V~29.2V	
Charging Voltage		28.4V~28.8V	
Cut-off Voltage		24V	
Max. Charging Current @10sec	<80A	<200A	<200A
Recommended Charging Current/ discharging	<50A	<100A	<100A
Max. Discharging Current @10sec	<80A	<200A	<200A
Efficiency		>98%	
Dimensions L*W*H (mm)	460*172*190	480*338*190	370*353*274
Weight (Kg) (±0.5)	22.5	39.6	58
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)	
Design Life		>10 Years	

Note:

1. Series Connection Limitations:

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

2. Parallel Connection Limitations: Up to 4 batteries