



MTUL-A02

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. Upgraded design with new ABS case for better heat dispatching
5. 2 Years Marvel Warranty with E warranty



Technical Specifications

Model Name	MTUL200-12.8-A02	MTUL270-12.8-A02
Rated Voltage	12.8V	
Rated Capacity	150Ah	200Ah
Rated Energy	1920Wh	2560Wh
Output Voltage Range	12V~14.4V	
Charging Voltage	14V~14.4V	
Cut-off Voltage	12V	
Max. Charging Current	<100A	<100A
Recommended Charging Current/ discharging	<50A	<75A
Max. Discharging Current	<100A	<100A
Efficiency	>98%	
Dimensions L*W*H (mm)	330*172*216	501*185*242
Weight (Kg) (±0.5)	14	18
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	
IP Rating	IP65	

Note:

1. Series Connection Limitations:

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

2. Parallel Connection Limitations: Up to 4 batteries

Technical Specifications

Model Name	MTUL200-25.6-A02	MTUL270-25.6-A02
Rated Voltage	25.6V	
Rated Capacity	150Ah	200Ah
Rated Energy	3840Wh	5120Wh
Output Voltage Range	24V~28.6V	
Charging Voltage	28.4V~28.6V	
Cut-off Voltage	24V	
Max. Charging Current	<100A	<100A
Recommended Charging Current/ discharging	<50A	<75A
Max. Discharging Current	<100A	<100A
Efficiency	>98%	
Dimensions L*W*H (mm)	523*269*218	523*269*218
Weight (Kg) (±0.5)	25	39.5
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, @25C, 80%DOD)	
Design Life	>10 Years	
IP Rating	65	

Note:

1. Series Connection Limitations:

- For 24V system Up to 2 batteries (reduces warranty to 12 months)

2. Parallel Connection Limitations: Up to 4 batteries