



# ML150-48 R

LiFePO4 Battery Rack-Mounted Type

marvel lithium series batteries provide superior performance, capacities and reliability. Using state of high power cell technology, the lithium series is designed for environmentally sensitive areas that require enhanced cycle life capabilities in commercial.

lithium batteries are widely used in industrial, residential, commercial and private applications. The maintenance free construction and advanced design features makes the lithium series the definitive choice for a wide variety of markets. Like solar and renewable energy storage.



## BATTERY SPECIFICATIONS

Battery type-Chemistry	LiFePO4	Voltage Window	42V-54V
Nominal Voltage	48V	Recommend Charge Voltage	53V
Nominal Capacity	150Ah	Max Charge Voltage	54V
Energy Density	7200Wh	Recommend Charge Current	50A
Dimensions(LxWxH)	500*442*222mm	Max Continuous Current	100A
Weight	55KGS	Recommend Discharge Voltage	45V
Terminal Type	M6	Max Discharging Voltage	42V
Terminal Torque	8.5NM	Max Continuous Discharge Current	100A
Case Material	SPCC	Peak Discharge Current	150A
BMS Build-in	Yes	Cycle life(0.2C, 25°C@80% DOD)	6000 Cycles
AH Efficiency – round trip	>98%	Discharge Temperature	(- 20 to 55)°C
Self Discharge per Month	<3%	Charge Temperature	( 0 to 55)°C
Max in Parallel	16PCS	Storage Temperature	(- 20 to 45)°C
Max in Series	Not Allowed	Bluetooth(App)	NO
LCD Screen	YES	Heating Function	Optional
DC Switch	YES		

## BMS CHARACTERISTICS

Primary Charging Protection	Current :105A	Delay Time: 20s
Second Charging Protection	Current :110A	Delay Time: 2~3s
Primary Discharging Protection	Current :110A	Delay Time: 30s
Second Discharging Protection	Current :150A	Delay Time: 2~3s
Over Charge Voltage Protection	Voltage :55.5V	Delay Time: 1~2s
Over Discharge Voltage Protection	Voltage :42V	Delay Time: 1~2s
Temperature Protection	PCB Temperature≥95 Recover≤85	°C °C
Communication Port	Major RS485,optional for CAN / Dryport,customized acceptable	