

MISTER BATTERY



Rechargeable LiFePO4 48V 50Ah

RNS B48050 BLU

Benefits : Longer Cycle Life
Lighter Weight
Higher Power
Wider Temperature Range
Superior Safety

Applications : Electric vehicles, Golf cart /RV /Marine
Solar/wind energy storage system
UPS, back up power, Telecommunication
General purpose lead acid battery replacement
Compatible with most lead acid chargers

Electrical Characteristics	Nominal Voltage	51,2V
	Nominal Capacity	50Ah
	Energy	2.560Wh
	Cycle Life	>3.000 cycles @ 0,2C 80% DOD
	Months Self Discharge	<3%
	Efficiency of Charge	>99% @0,2C
	Efficiency of Discharge	96~99%@0,5C
Standard Charge	Charge Voltage	58,4±0.2V
	Charge Mode	CC/CV
	Charge Current	10A
	Max. Charge Current	50A
Standard Discharge	Continuous Current	80A
	Max.Pulse Current	85A(<3s)
	Discharge Cut-off Voltage	44V
Environmental	Charge Temperature	0°C to 55°C @60±25% Relative Humidity
	Discharge Temperature	-20°C to 60°C @60±25% Relative Humidity
	Storage Temperature	-20°C to 45°C @60±25% Relative Humidity
	IP Class	IP65
	Certifications	CE, RoHS, UN38.3
Mechanical	Plastic Case	ABS+PC (the upper cover can be removed for maintenance)
	Connection	M8
	Weight	29,0KG
	Dimensions	390mm x 232mm x 260mm
Applications	Installation	Parallel connection allowed
	Control	Battery management system (BMS) integrated
	Monitoring	Bluetooth monitoring, Smartphone App

Specifications are subject to change without notice to improve reliability, function, design or otherwise.

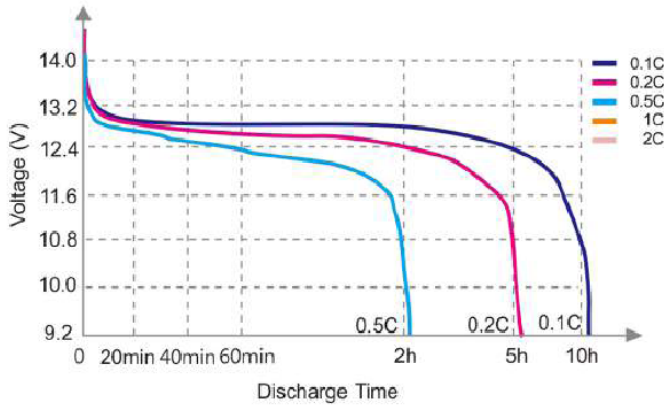
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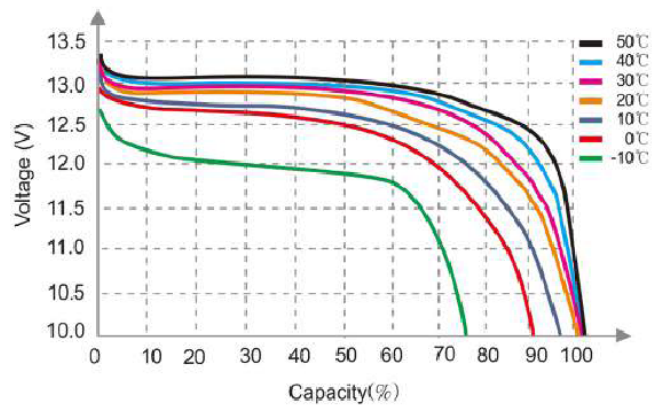
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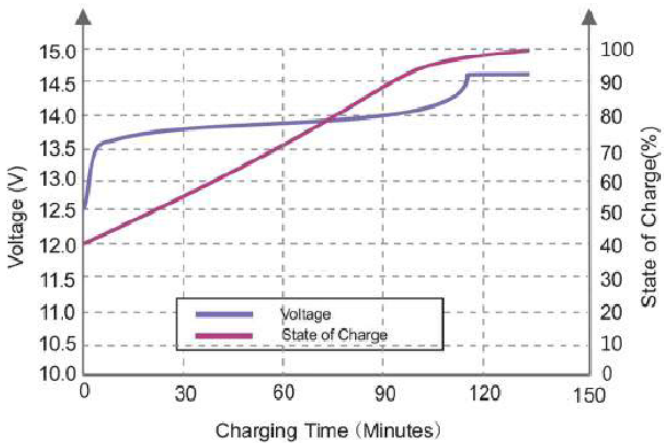
Different Rate Discharge Curve(25°C)



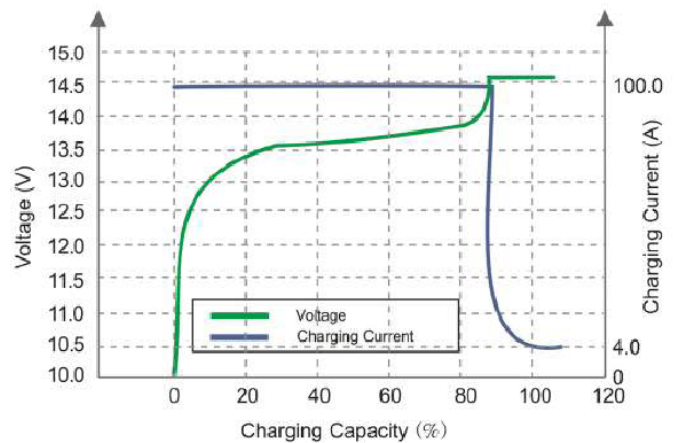
Different Temperature Discharge Curve(0.5C)



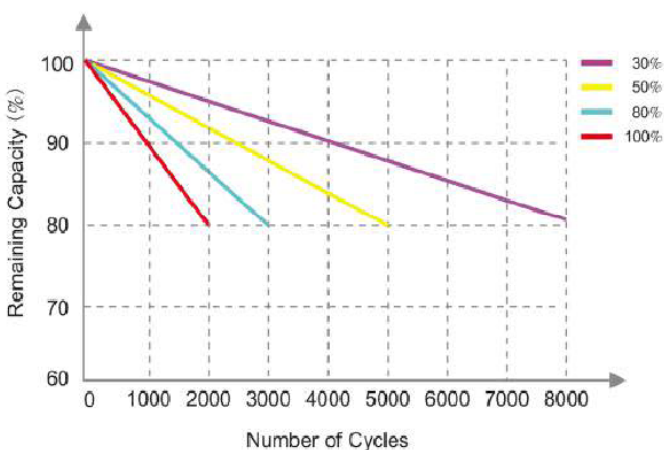
State of Charge Curve(0.5C, 25°C)



Charging Characteristics(0.5C, 25°C)



Different DOD Discharge Cycle Life Curve(0.5C)



Different Temperature Self Discharge Curve

