

# MISTER BATTERY +



Rechargeable LiFePO4 12V 100Ah

## RNS B12100 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

<b>Electrical Characteristics</b>	Nominal Voltage	12,8V
	Nominal Capacity	100Ah
	Energy	1.280Wh
	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
<b>Standard Charge</b>	Charge Voltage	14,6±0.2V
	Charge Mode	CC/CV
	Charge Current	20A
	Max. Charge Current	150A
<b>Standard Discharge</b>	Continuous Current	150A
	Max.Pulse Current	160A(<3s)
	Discharge Cut-off Voltage	11V
<b>Environmental</b>	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
<b>Mechanical</b>	Plastic Case	ABS+PC (the upper cover can be removed for maintenance)
	Connection	M8
	Weight	13,8KG
	Dimensions	350mm x 171mm x 206mm
<b>Applications</b>	Installation	Parallel connection Series connection possibilities
	Control	Battery management system (BMS) integrated
	Monitoring	Bluetooth monitoring, iOS & Android App

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

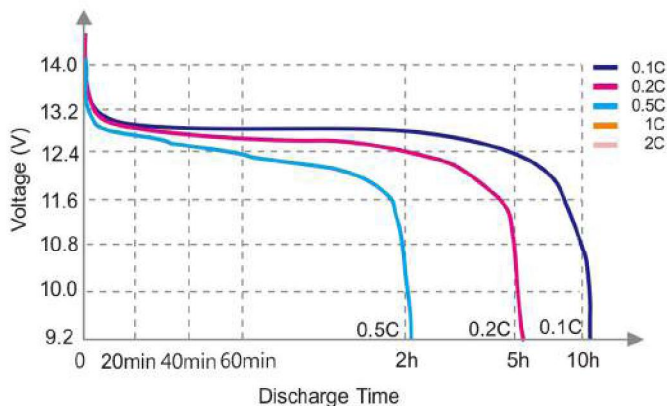
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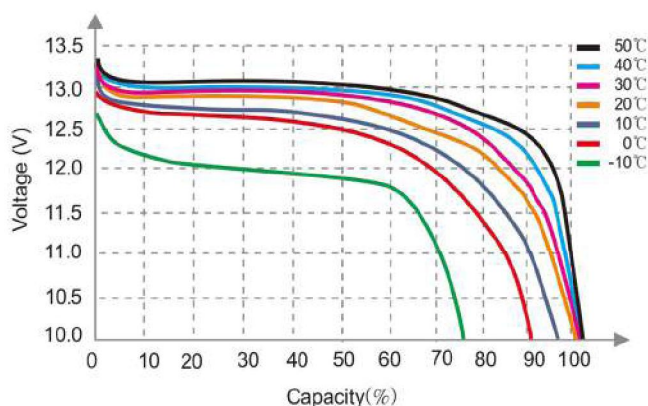
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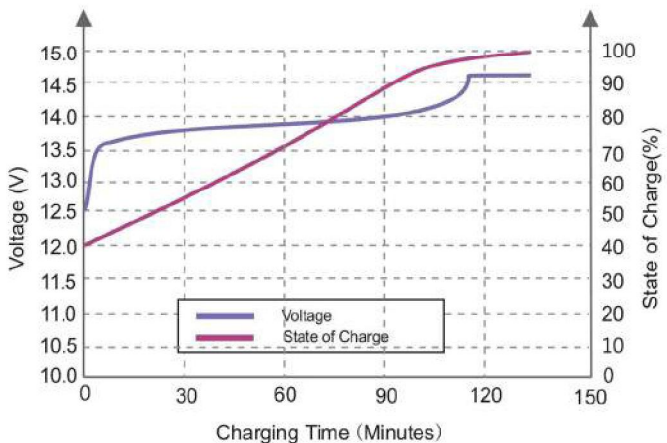
Different Rate Discharge Curve(25°C)



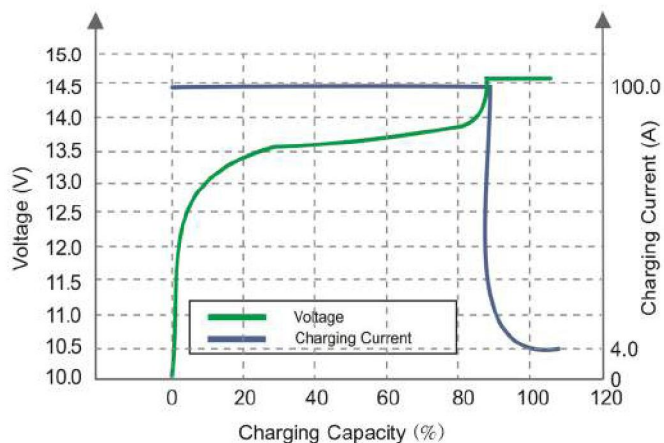
Different Temperature Discharge Curve(0.5C)



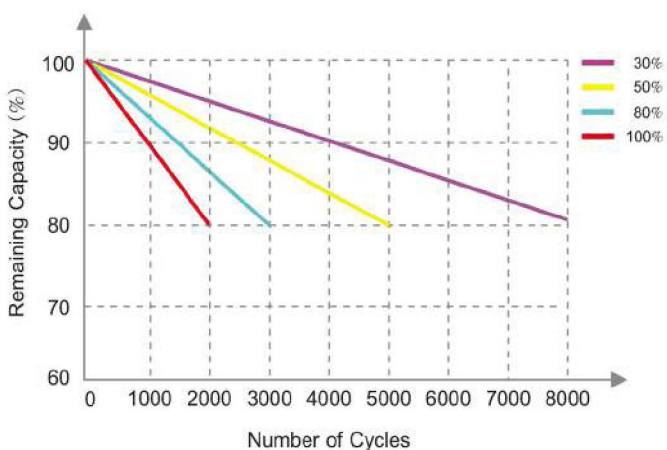
State of Charge Curve(0.5C, 25°C)



Charging Characteristics(0.5C, 25°C)



Different DOD Discharge Cycle Life Curve(0.5C)



Different Temperature Self Discharge Curve

