

MISTER BATTERY +



Rechargeable LiFePO4 12V 20Ah

RNS B12020 ML

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	12,8V
	Nominal Capacity	20Ah
	Energy	256Wh
	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	14,6±0.2V
	Charge Mode	CC/CV
	Charge Current	4A
	Max. Charge Current	20A
Standard Discharge	Continuous Current	20A
	Max.Pulse Current	25A
	Discharge Cut-off Voltage	11,2V
Environmental	Charge Temperature	0°C to 65°C @60±25% Relative Humidity
	Discharge Temperature	-10°C to 75°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
	Connection	M6
	Weight	2,8KG
	Dimensions	181mm x 76mm x 159mm
Applications	Installation	Parallel connection allowed
	Control	Battery management system (BMS) integrated
	Monitoring	Not available

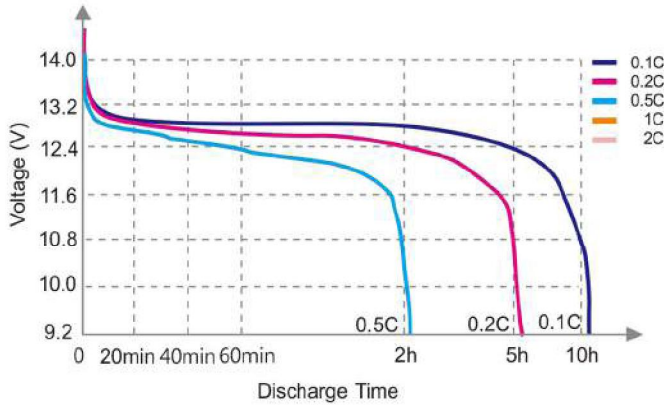
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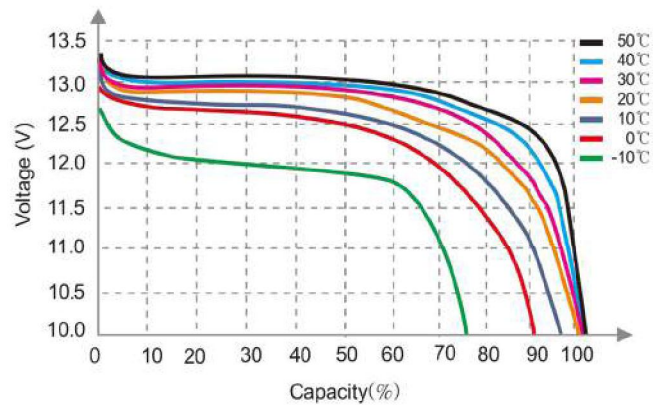
RNS B12020 HE



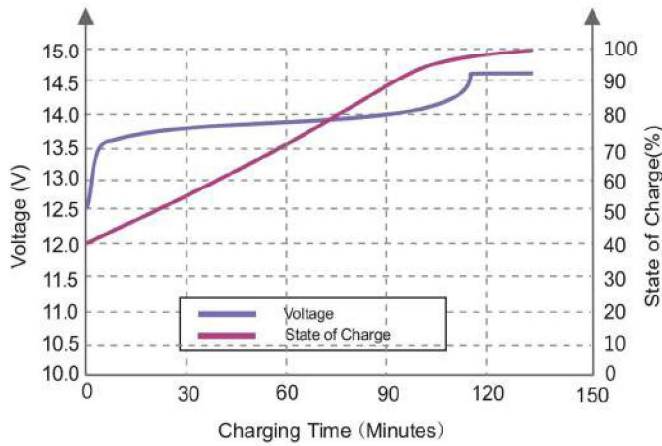
Different Rate Discharge Curve(25°C)



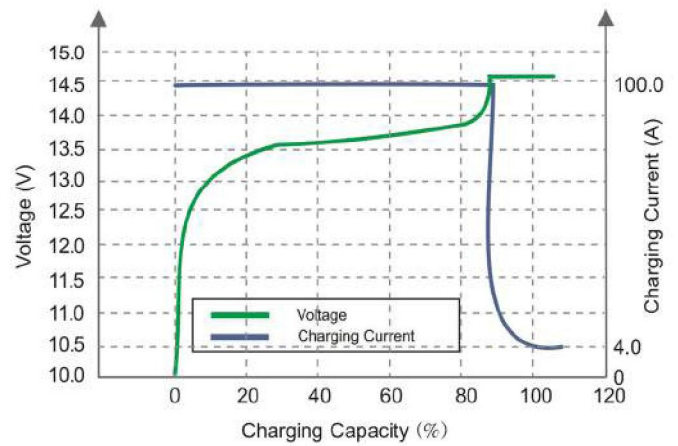
Different Temperature Discharge Curve(0.5C)



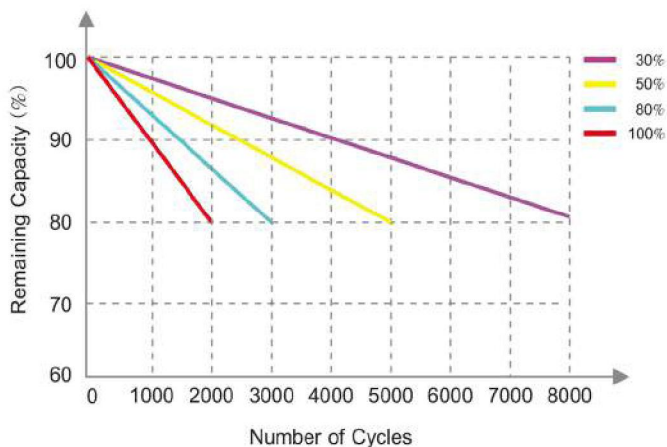
State of Charge Curve(0.5C, 25°C)



Charging Characteristics(0.5C, 25°C)



Different DOD Discharge Cycle Life Curve(0.5C)



Different Temperature Self Discharge Curve

