B|SHOCKED

RIIGLTH12-100-BS

Features:

Longer Cycle Life: Offers up to 20 times longer cycle life and five times longer float/calendar life than lead acid batteries, helping to minimize replacement cost and reduce total cost of ownership.

Lighter Weight: About 40% of the weight of a comparable lead acid battery. A “drop in” replacement for lead acid batteries.

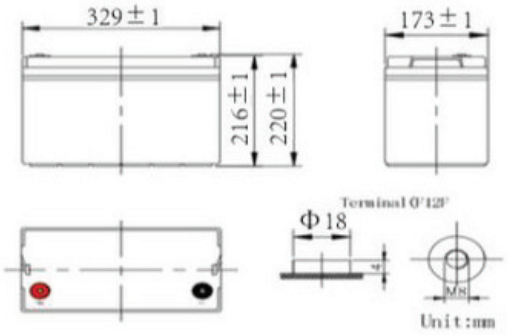
High Power: Delivers twice power of lead acid battery, even high discharge rate, while maintaining high energy capacity.

Wild Temperature Range: -20°C ~ 60°C

Superior Safety: Lithium Iron Phosphate chemistry eliminates the risk of explosion or combustion due to high impact, overcharging or short circuit situation.

Typical Application:

- Wheelchairs and scooters
- Solar/wind energy storage
- Back-up power for small UPS
- Golf trolleys & buggies
- Electric bikes
- Tools



Electrical Characteristics	Nominal Voltage	12.8V
	Nominal Capacity	100Ah
	Energy	1280Wh
	Internal Resistance(AC)	≤20mΩ
	Cycle Life	>3000 cycles @0.5C 80%DOD
	Months Self Discharge	<3%
	Efficiency of Charge	100% @0.5C
	Efficiency of Discharge	96~99% @1C
Standard Charge	Charge Voltage	14.6 ±0.2V
	Charge Mode	0.5C to 14.6V, then 14.6V, charge current to 0.02C (CC/CV)
	Charge Current	50A
	Max. Charge Current	100A
	Charge Cut-off Voltage	14.6 ±0.2V
Standard Discharge	Rated Discharge Current	50A
	Max. Discharge Current	150A
	Discharge Cut-off Voltage	10 ±0.2V
Environmental	Charge Temperature	0°C to 55°C (32F to 131F) @60±25% Relative Humidity
	Discharge Temperature	-20°C to 60°C (-4F to 140F) @60±25% Relative Humidity
	Storage Temperature	-20°C to 45°C (-4F to 113F) @60±25% Relative Humidity
	IP Class	IP65
Mechanical	Plastic Case	ABS
	Approx. Dimensions	329 x 173 x 216mm (12.95 x 6.81 x 8.5in)
	Approx. Weight	≈10.5kg (≈23.1lbs)
	Terminal	M8

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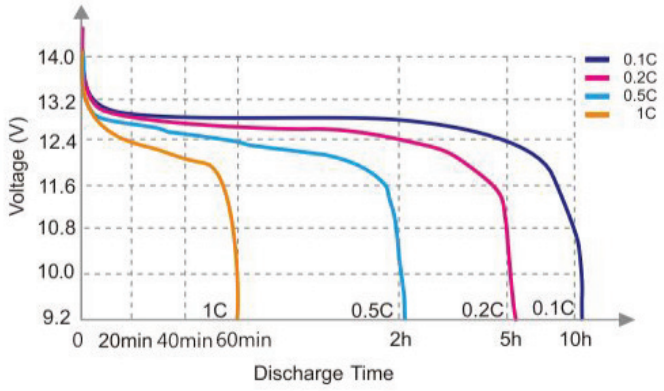
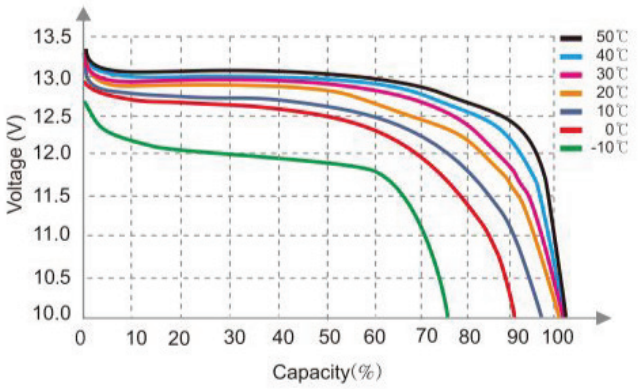
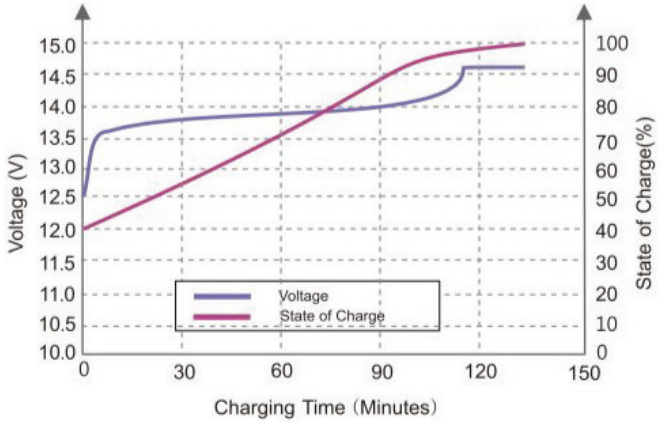
Different Temp. Discharge Curve(0.5C):

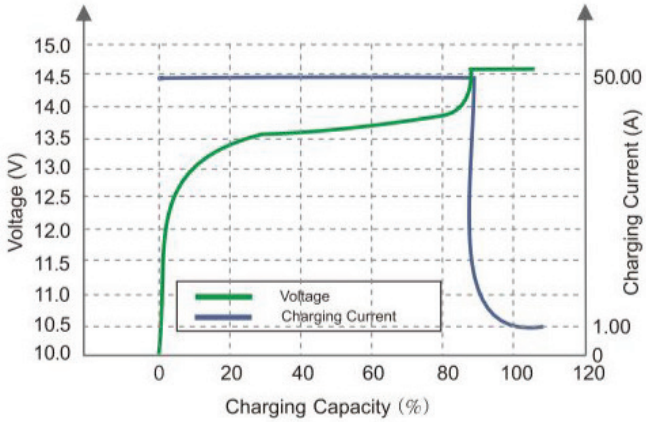




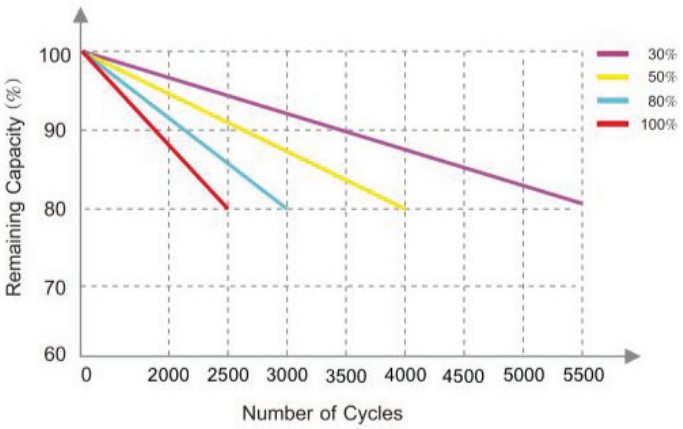
State of Charge Curve(0.5C:25°C):



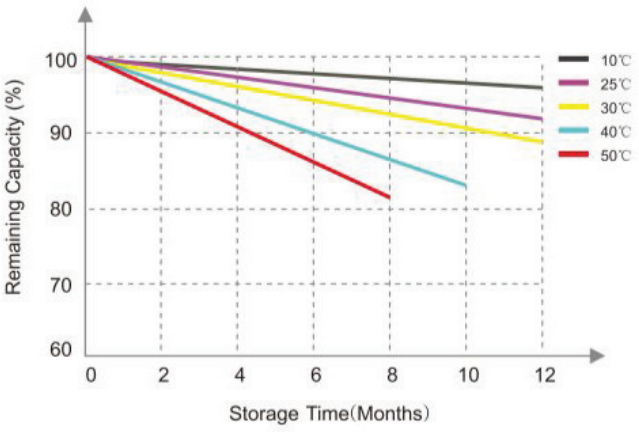
Charging Characteristics(0.5C:25°C):



Different DOD Discharge Cycle Life Curve(0.5C):



Different Temp. Self Discharge Curve:



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