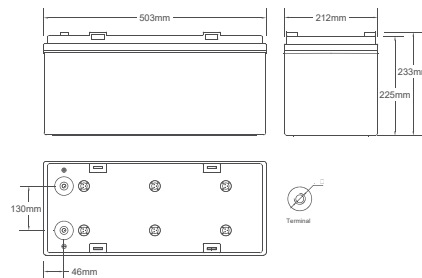




Benefits

- ❑ High rate, can be used in the standby power which less than 15min
- ❑ High consistency, security, reliability and stability
- ❑ Fast charging speed, low self-discharge rate
- ❑ Designed life is 15 years
- ❑ Good anti-high current performance
- ❑ Good anti-over-discharge performance
- ❑ Excellent anti-overcharge performance
- ❑ Good anti-impact performance
- ❑ Excellent anti-vibration performance

Dimensions



Technical Parameters

Nominal Voltage	12 V
Rated Power	840W,15min to 1.67V/cell(25°C)
Weight	61 kg(138.48 lbs)
Dimensions	Length: 503 mm (19.80 in) Width: 212 mm (8.35 in) Height: 225 mm (8.86 in) Total height: 233 mm (9.17 in)
Internal Resistance (full charged)	1.8 mΩ
Short- circuit Current	5200 A
Self Discharge @25°C(77°F)	Less than 8% after 90 days storage
Operating Temperature Range	Discharge: -40°C j 50°C(-40°F j 122°F) Charge: -20°C j 45°C(-4°F j 113°F) Storage:-20°C j 40°C(-4°F j 104°F)
Recommended Operating Temperature	15°C j 25°C (59°F j 77°F)
Recommended Charging Current	30 A
Charging Voltage @25°C(77°F)	Float: 2.23 V/cell Equalize: 2.35 V/cell
Terminal	M8
Container Materials	ABS/ABS V0 (Optional)
Capacity Affected by Temperature(C ₁₀)	105% @ 40°C(104°F) 85% @ 0°C(32°F) 60% @ -20°C(-4°F)
Design Life @25°C(77°F)	15 years

Certification

- ☑ ISO 9001
- ☑ ISO 14001
- ☑ GB/T 28001
- ☑ UL
- ☑ CE

Technical Features

- ❑ Double-sided smear, cast welding and other processes strengthen the process control and improve battery consistency
- ❑ High-strength ABS material and patented sealing technology ensure the normal use of the battery without leakage, expansion and rupture
- ❑ Corrosion-resistant alloy and stamping process greatly extend the battery life

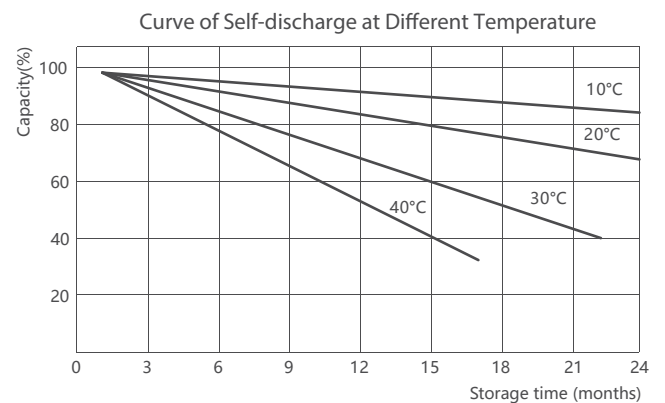
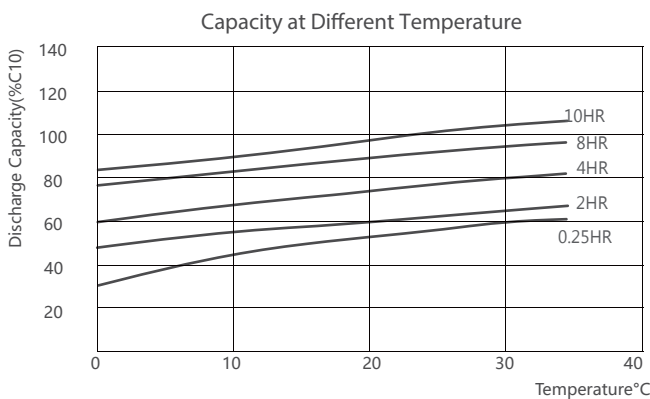
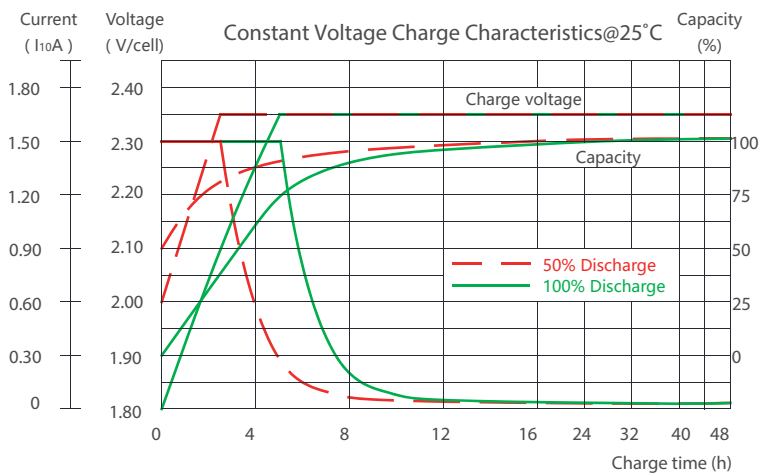
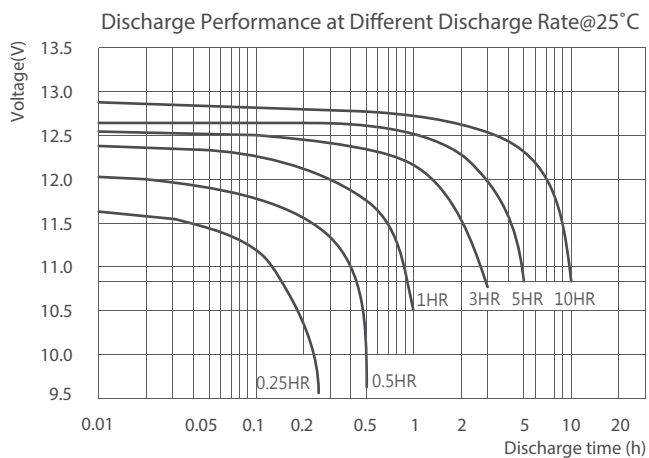
Constant Current Discharge Characteristics Unit: A (25°C, 77°F)

543	500	389	320	260	235	137.3	92.4	80.0	57.7	33.5	20.5
510	480	383	310	255	226	133.3	88.0	77.0	56.0	32.9	20.2
424	350	333	230	200	187	123.4	84.2	75.0	54.6	32.1	20.0

Constant Power Discharge Characteristics Unit: W/cell (25°C, 77°F)

1020	1010	850	638	555	415	249.1	184.5	148.1	114.6	69.8	42.8
1000	980	790	630	547	408	242.4	179.1	144.1	111.3	69.0	41.2
785	715	660	480	392	354	232.9	175.0	142.7	109.6	67.7	40.6

Performance Curve



*Declaration:

Declaration: This information is generally descriptive only and is not intended to make or imply any representation, guarantee or warranty with respect to any cells and batteries. Cell and battery designs/specifications are subject to modification without notice. **Contact Rizon Technologies for the latest information**



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