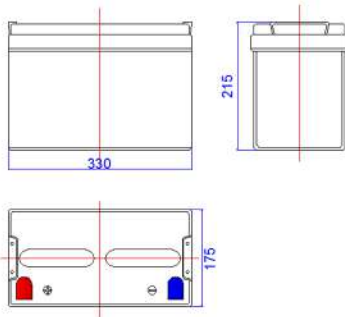


Battery Construction

Component	Positive	Negative	Container	Cover	Safety Valve	Terminal	Separator	Electrolyte
Raw material	Lead dioxide	Lead	ABS	ABS	Rubber	Wire	Fiberglass	GEL



General Parameters

Nominal Voltage	12 V
Rated Capacity	100Ah (10 hr, 1.80 V/Cell, 25 °C)
Weight	27.4kg±3%
Resistance	≤5.2mΩ
Terminal	Copper
Max. Charge Current	25A
Operating Temperature Range	-25~50 °C
Length (±2 mm)	328mm
Width (±2 mm)	172mm
Height (±2 mm)	215mm
Total Height (±2 mm)	235mm

Application

- Solar power (wind energy) household system
- Off-grid power plants
- Solar power(wind energy) communications /signal basestations
- Solar power (wind energy) lamps
- Nonstationary energy storage systems
- Solar traffic lights
- Solar building systems

General Features

- Environmentally friendly
- Long Service Life,in Cyclic
- Lower internal Resistance
- High Reliability and Good Quality
- International Standard,JIS and DIN
- High Power Density
- lead-tin-calcium alloy grids for long service life
- Thick pasted plates with high quality

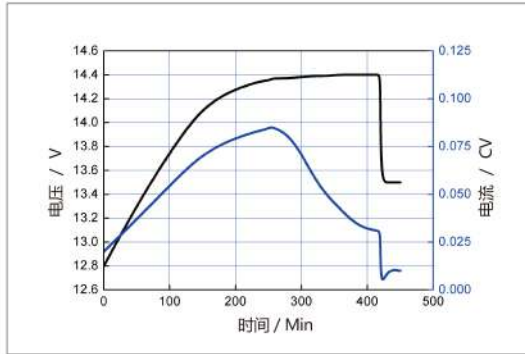
Constant Power Discharge (Watts) at 25 °C (77 °F)

F.V/Time	3h	5h	10h	20h	50h	100h	120h	240h
1.90	42.420	28.280	18.180	10.100	4.040	2.121	1.818	1.010
1.85	44.440	29.796	19.190	11.110	4.141	2.171	1.898	1.211
1.80	45.450	32.320	19.696	12.120	4.241	2.221	1.920	1.314
1.75	46.460	33.330	20.200	11.414	4.344	2.324	2.020	1.414

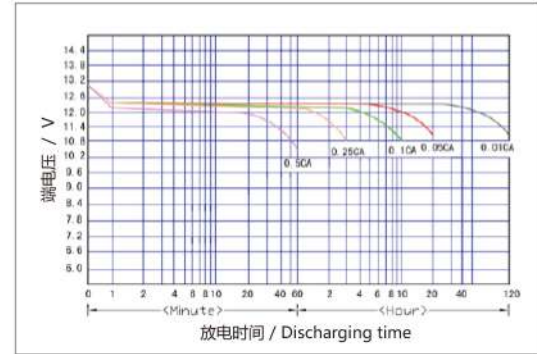
Constant Current Discharge (Amperes) at 25 °C (77 °F)

F.V/Time	3h	5h	10h	20h	50h	100h	120h	240h
1.90	21.365	14.083	8.839	4.565	1.846	1.000	0.875	0.465
1.85	22.240	14.761	9.518	4.856	1.943	1.058	0.923	0.486
1.80	23.211	15.443	10.004	5.003	2.040	1.069	0.943	0.506
1.75	24.085	16.121	10.683	5.148	2.089	1.118	0.953	0.515

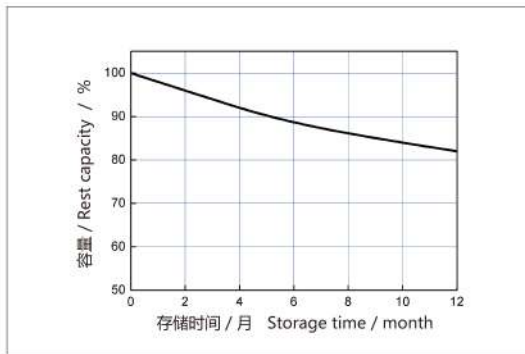
1 Charging characteristics



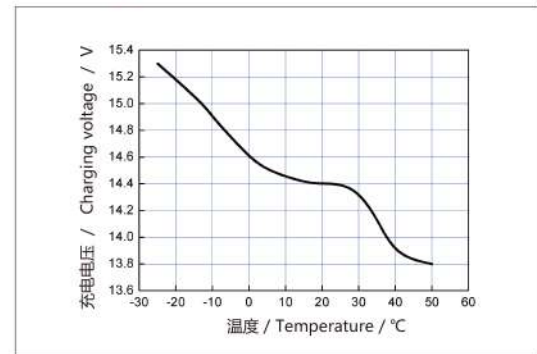
2 Discharging characteristics



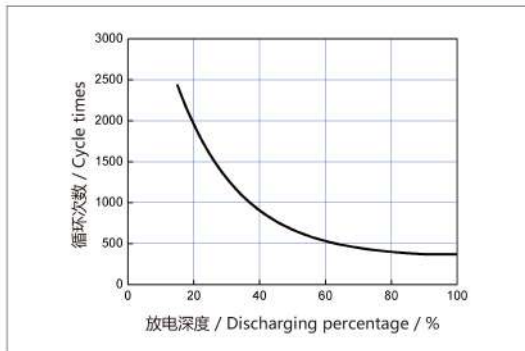
3 Capacity and storage time (25 °C)



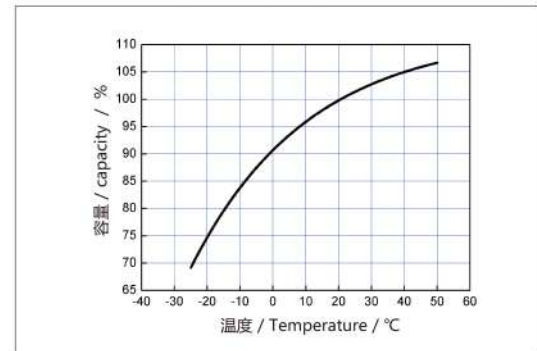
4 Voltage and environmental temperature



5 Cycle Life and Depth of Discharge



6 Capacity effected by temperature



Note: The above characteristics data are average values obtained within three charge/discharge cycles not the minimum. All data shall be changed without notice. We reserves the right to explain and update the information contained hereinto.