

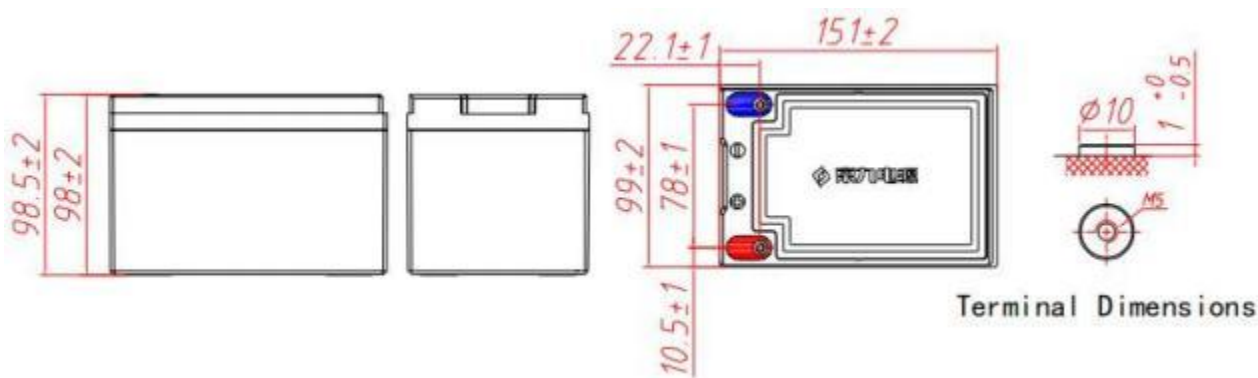
General Features

- High corrosion resistant performance: Pb-Ca multi-alloy grid
- High energy density and power density
- Optimized capability of instant high-current discharging
- Excellent charge acceptance ability
- Strong high and low temperature performance
- Low self-discharge rate



Dimension:151(L)×99(W) ×98(H)×98.5(TH)

Unit: mm



Specification

Nominal Voltage	12V
Nominal Capacity	12.9Ah
Design life	5 years
Terminal	M5
Approx. Weight	Approx4.1kg±3% (9.04lbs±3%)
Container Material	ABS
Self discharge	3% of capacity declined per month at 25°C

Rated Capacity

10Hour Rate (1.42A to 10.5V)	14.2Ah
2Hour Rate (6.45A to 10.5V)	12.9Ah
1Hour Rate (11.9A to 10.5V)	11.9Ah

Operating Temperature

Discharge:	-20 ~50°C(-4~ 122°F)
Charge :	-20 ~50°C(-4~ 122°F)
Storage:	-20 ~50°C(-4~ 122°F)

Charge Method(25 °C)

Max charge current	1.94A
Float Use:	13.7-13.9V@25
Cycle Use :	14.7-14.9V,@25

Standards

Executive standard :T/ZJXDC 001-2021

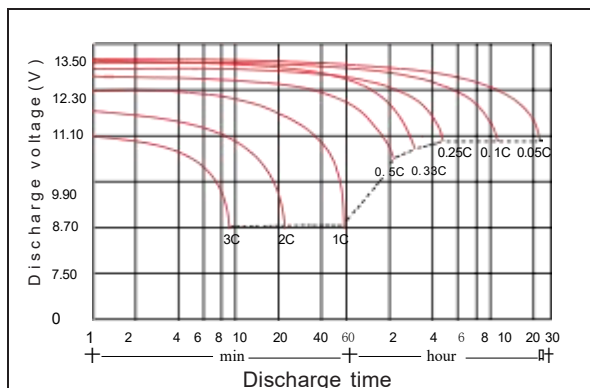
Applications

- UPS/EPS
- Power systems
- Telecommunications system
- Emergency lighting、Auto control system
- Solar/wind generating storage cyclic
- Motive Power Applications

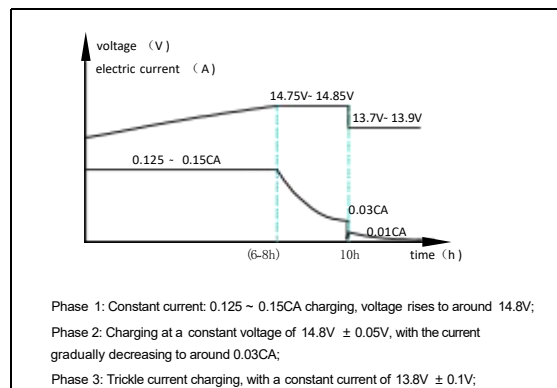
Attain Certificate



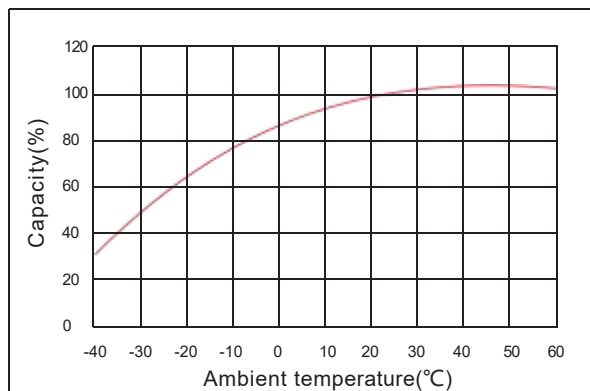
Discharge characteristic



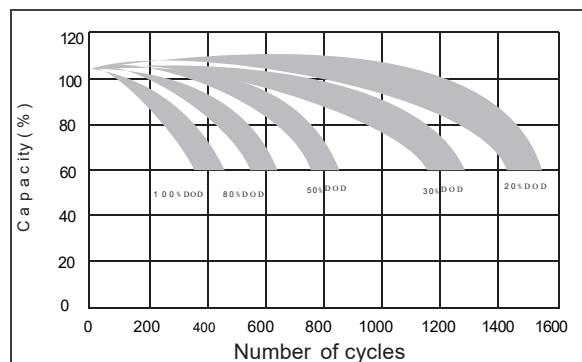
Charging characteristic



The effect of temperature on capacity



The effect of discharge depth on cycle life



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

FV/Time	5min	15min	30min	1h	2h	3h	5h	8h	10h	20h
1.60V	63.0	33.8	19.4	12.2	6.64	4.56	2.78	1.73	1.46	0.812
1.65V	61.0	32.8	19.0	12.2	6.60	4.53	2.77	1.72	1.45	0.808
1.70V	58.6	32.2	18.6	12.1	6.55	4.45	2.73	1.70	1.43	0.803
1.75V	53.9	31.0	18.5	11.9	6.45	4.40	2.70	1.69	1.42	0.800
1.80V	48.3	29.0	17.7	11.6	6.34	4.38	2.63	1.69	1.41	0.797
1.85V	43.1	25.8	16.2	10.7	6.01	4.13	2.50	1.61	1.36	0.782

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

FV/Time	5min	15min	30min	1h	2h	3h	5h	8h	10h	20h
1.60V	105.7	59.6	35.1	23.2	12.5	8.69	5.28	3.37	2.81	1.61
1.65V	101.5	58.6	34.7	23.0	12.5	8.58	5.25	3.34	2.78	1.60
1.70V	101.1	57.8	34.7	22.8	12.5	8.53	5.22	3.33	2.75	1.59
1.75V	94.2	57.6	34.5	22.6	12.4	8.47	5.19	3.31	2.73	1.59
1.80V	86.6	54.4	33.6	22.4	12.3	8.46	5.12	3.28	2.70	1.58
1.85V	77.3	48.7	30.8	20.8	11.8	8.04	4.89	3.17	2.66	1.56