

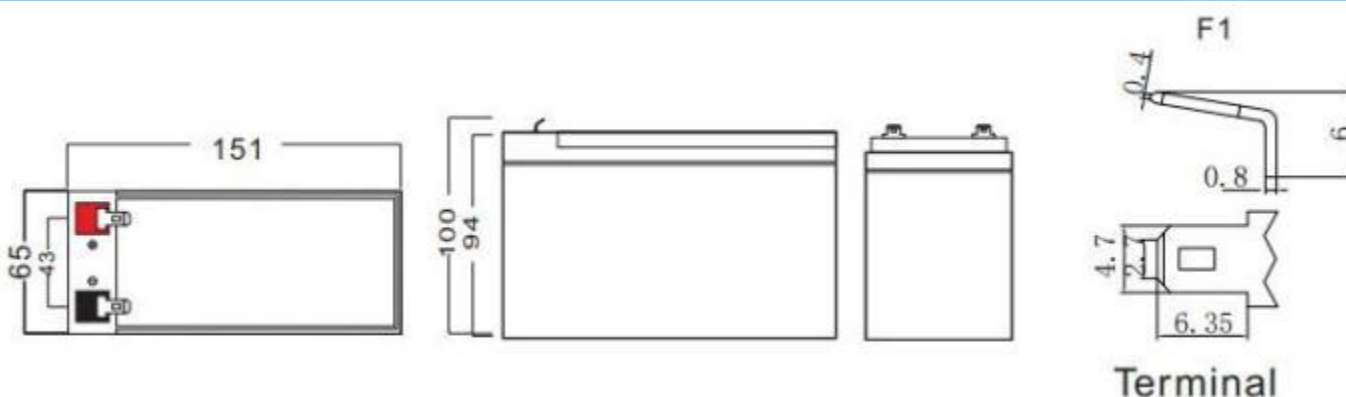
General Features

- 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
- Excellent deep cycle discharge capability
- Strong high and low temperature performance
- Precision sealing technology



Dimension:151(L)×65(W) ×94(H)×100(TH)/(±2.0)

Unit: mm



Specification

Nominal Voltage	12V
Nominal Capacity	6.6Ah@20hour-rate to 1.75V per cell @25°C
Design life	5 years
Terminal	F1/F2
Approx. Weight	Approx1.86kg±3% (4.10lbs±3%)
Container Material	ABS(UL94-HB, UL94-V0 Optional)
short-circuit current	300A
Internal resistance(Full charged at 25°C:)	40.0 mΩ
Self discharge	3% of capacity declined per month at 25°C

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)

Charge current:	Max. 1.65A;Recom.0.66A
Float charge:13.5-13.8V	recom.13.8V(-18mV/ °C)
Equalize charge:13.8-14.1V	recom.14.1V(-24mV/ °C)
Cycle charge:14.4-15.0V	recom.14.7V(-30mV/ °C)

Standards

Executive standard: IEC 61056-2,
GB/T 19639.1-2014

Applications

- UPS/EPS
- Power systems
- Telecommunications system
- Emergency lighting, Auto control system
- Solar/wind generating storage cyclic
- Other general purpose

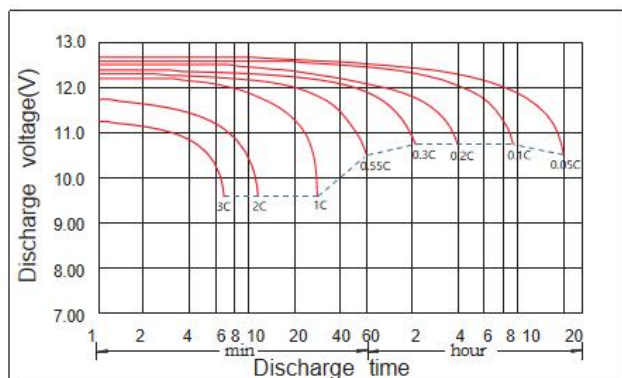
Rated Capacity

20Hour Rate (0.330A to 10.5V)	6.60Ah
3Hour Rate (1.72A to 10.2V)	5.16Ah
1Hour Rate (4.079A to 9.6V)	4.079Ah

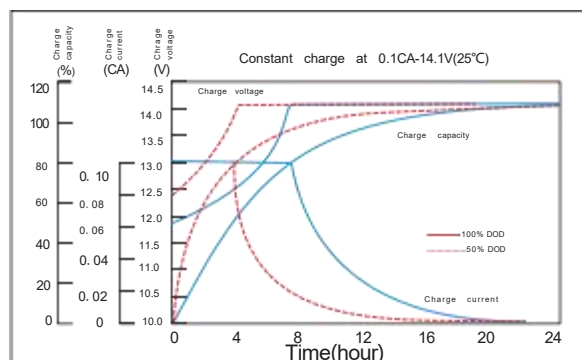
Attain Certificate



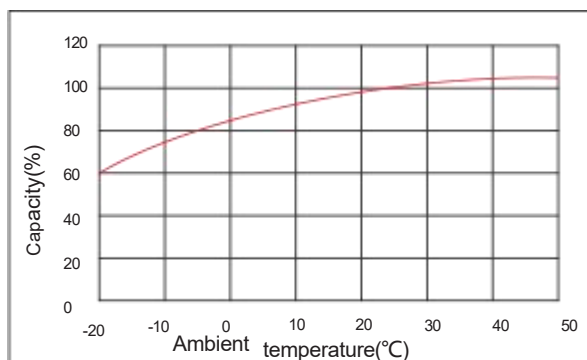
Discharge characteristic



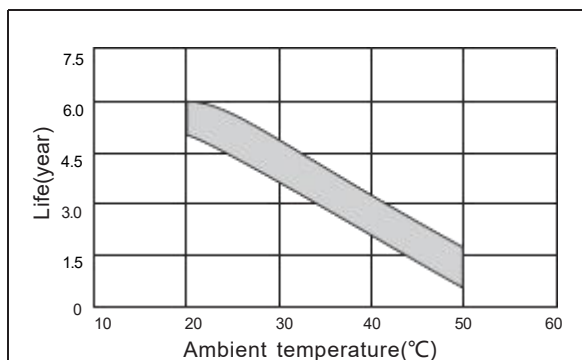
Charging characteristic



The effect of temperature on capacity



The effect of temperature on float life



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

FV/Time	5min	10min	15min	30min	45min	1h	1.5h	2h	3h	4h	5h	6h	8h	10h	20h
1.60V	24.47	17.02	12.41	7.330	5.197	4.079	2.920	2.445	1.842	1.455	1.222	1.046	0.791	0.649	0.342
1.65V	23.11	16.04	11.74	6.965	4.953	3.889	2.820	2.367	1.786	1.415	1.191	1.024	0.782	0.641	0.337
1.70V	21.06	14.88	11.00	6.726	4.785	3.750	2.728	2.289	1.720	1.377	1.160	0.991	0.770	0.631	0.333
1.75V	19.06	13.93	10.60	6.429	4.555	3.613	2.616	2.209	1.685	1.342	1.130	0.961	0.760	0.624	0.330
1.80V	16.74	12.62	9.792	6.145	4.385	3.474	2.541	2.148	1.633	1.303	1.101	0.927	0.747	0.617	0.325
1.85V	13.29	10.25	8.126	5.292	3.826	3.116	2.348	1.952	1.510	1.211	1.027	0.882	0.701	0.579	0.306

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

FV/Time	5min	10min	15min	30min	45min	1h	1.5h	2h	3h	4h	5h	6h	8h	10h	20h
1.60V	40.96	28.09	21.47	13.31	9.830	7.674	5.579	4.634	3.486	2.793	2.356	2.026	1.545	1.275	0.674
1.65V	38.75	27.21	20.83	12.92	9.340	7.471	5.494	4.508	3.405	2.727	2.303	1.958	1.531	1.261	0.664
1.70V	36.13	25.91	19.80	12.47	8.944	7.131	5.313	4.384	3.313	2.663	2.251	1.909	1.511	1.244	0.657
1.75V	33.42	24.89	19.37	12.04	8.773	6.978	5.115	4.250	3.260	2.605	2.202	1.866	1.493	1.229	0.652
1.80V	29.97	22.93	18.14	11.62	8.472	6.686	4.988	4.153	3.172	2.539	2.153	1.826	1.471	1.211	0.644
1.85V	24.29	19.07	15.27	10.11	7.523	6.080	4.591	3.794	2.945	2.369	2.014	1.741	1.384	1.145	0.607