



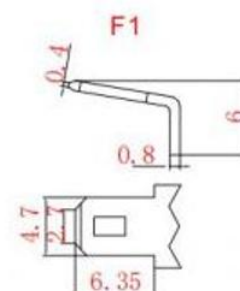
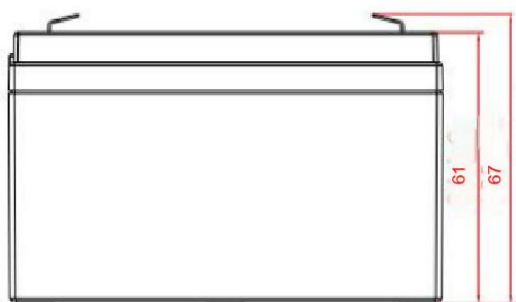
General Features

- ▶ 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: 178.5(L) × 35(W) × 61(H) × 67(TH) / (±2mm)

Unit: mm



Specification

Nominal Voltage	12V
Nominal Capacity	2.2Ah@20hour-rate to 1.75V per cell @25°C
Design life	3 years
Terminal	F1
Approx. Weight	Approx: 0.88Kg±3% (1.94lbs±3%)
Container Material	ABS(UL94-HB, UL94-V0 optional)
short-circuit current	185A
Internal resistance(Full charged at 25°C:)	65.0 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. 0.46A; Recom. 0.34A
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

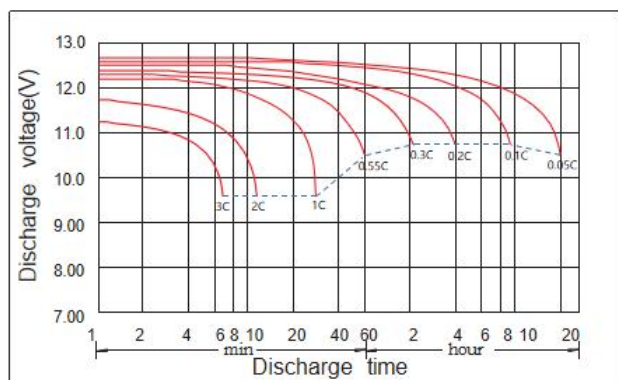
20Hour Rate (0.11A to 10.5V)	2.20Ah
3Hour Rate (0.599A to 10.2V)	1.797Ah
1Hour Rate (1.42A to 9.6V)	1.42Ah

Attain Certificate

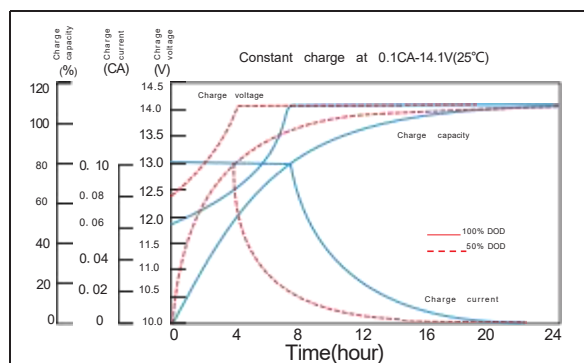
  	RoHS
    	

Disclaimer: Manufacturers have the right to self-modify the parameters of the product updates, please keep in touch with manufacturers to obtain the latest information.

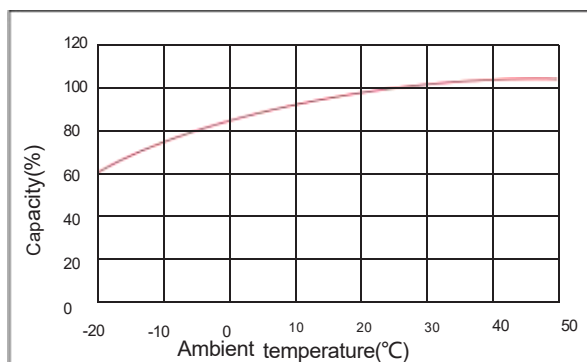
Discharge characteristic



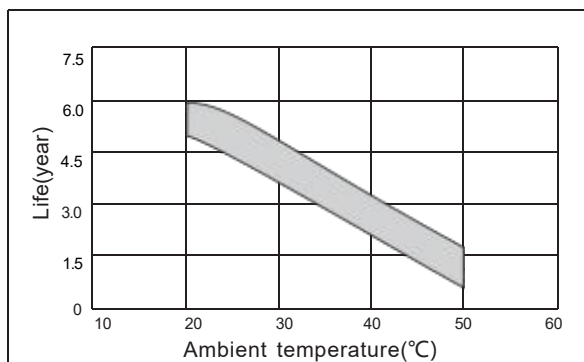
Charging characteristic



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	8.53	5.93	4.33	2.55	1.81	1.42	1.018	0.852	0.642	0.507	0.426	0.365	0.276	0.226	0.119
1.65V	8.05	5.59	4.09	2.43	1.73	1.36	0.983	0.825	0.622	0.493	0.415	0.357	0.273	0.223	0.117
1.70V	7.34	5.19	3.83	2.34	1.67	1.31	0.951	0.798	0.599	0.480	0.404	0.345	0.268	0.220	0.116
1.75V	6.64	4.85	3.70	2.24	1.59	1.26	0.912	0.770	0.587	0.468	0.394	0.335	0.265	0.217	0.110
1.80V	5.83	4.40	3.41	2.14	1.53	1.21	0.886	0.748	0.569	0.454	0.384	0.323	0.260	0.215	0.113
1.85V	4.63	3.57	2.83	1.84	1.33	1.09	0.818	0.680	0.526	0.422	0.358	0.307	0.244	0.202	0.107

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	14.08	10.12	8.80	5.37	4.05	3.08	2.07	1.61	1.13	0.97	0.79	0.70	0.54	0.42	0.25
1.65V	13.52	9.72	8.45	5.15	3.89	2.96	1.99	1.55	1.08	0.93	0.76	0.68	0.53	0.41	0.24
1.70V	13.24	9.51	8.27	5.05	3.81	2.90	1.94	1.51	1.06	0.91	0.74	0.66	0.53	0.40	0.23
1.75V	12.67	9.11	7.92	4.83	3.64	2.77	1.86	1.45	1.01	0.87	0.71	0.63	0.52	0.38	0.22
1.80V	12.25	8.80	7.66	4.67	3.52	2.68	1.80	1.40	0.98	0.84	0.69	0.61	0.51	0.37	0.21
1.85V	11.55	8.30	7.22	4.40	3.32	2.53	1.70	1.32	0.92	0.79	0.65	0.58	0.48	0.35	0.20