

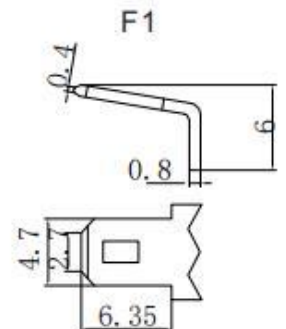
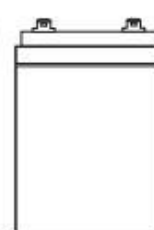
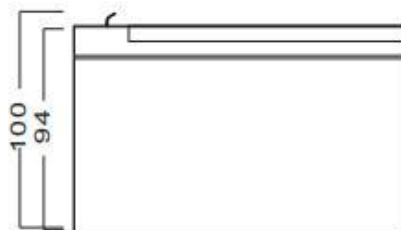
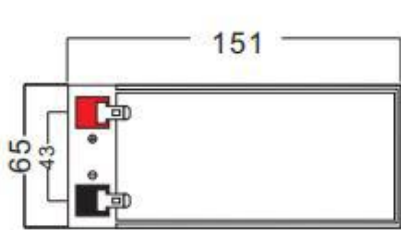
General Features

- ▶ 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)

Unit: mm



Terminal

Specification	
Nominal Voltage	12V
Nominal Capacity	8.5Ah
Design life	5 years
Terminal	F1/F2
Approx. Weight	Approx 2.26kg (4.98lbs)
Container Material	ABS
short-circuit current	480A
Internal resistance(Full charged at 25°C:)	25.0 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. 2.10A;Recom.0.85A
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 GB/T 19639.1-2014

Applications

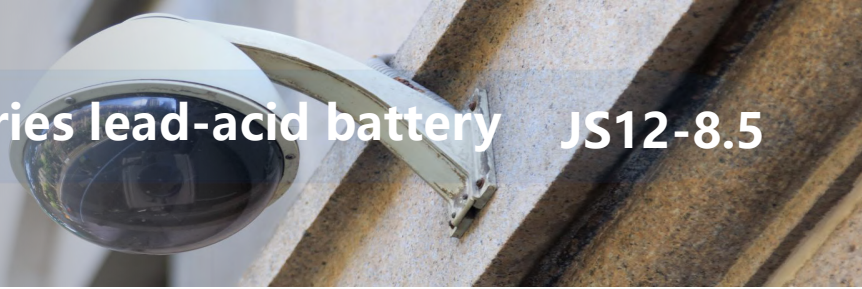
- ▶ UPS/EPS
- ▶ Power systems
- ▶ Telecommunications system
- ▶ Emergency lighting, Auto control system
- ▶ Solar/wind generating storage cyclic
- ▶ Other general purpose

Rated Capacity

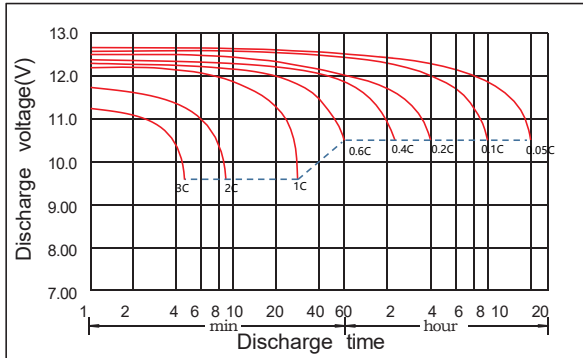
20Hour Rate (0.425A to 10.5V)	8.50Ah
3Hour Rate (2.15A to 10.2V)	6.45Ah
1Hour Rate (5.41A to 9.6V)	5.41Ah

Attain Certificate

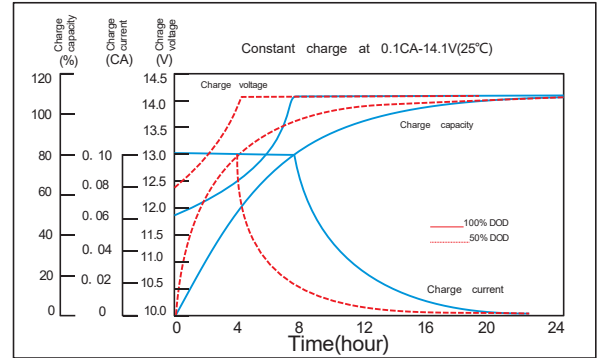




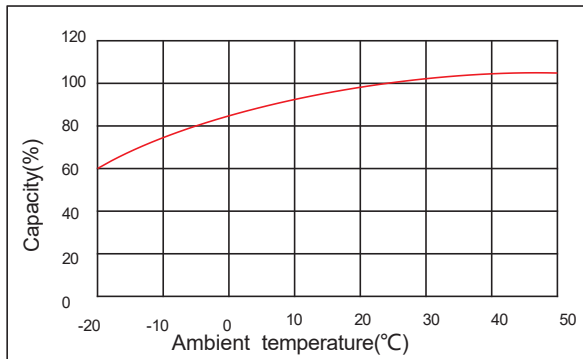
Discharge characteristic



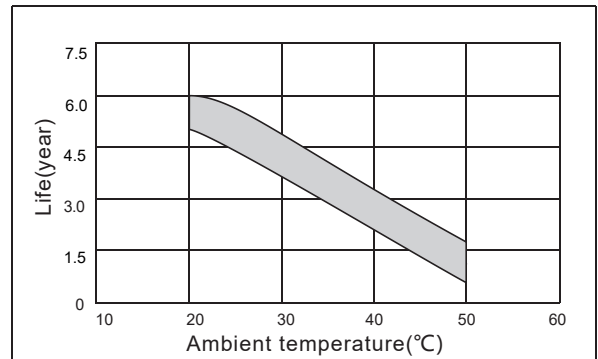
Charging characteristic



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	32.4	21.1	15.7	10.3	6.64	5.41	3.30	3.09	2.26	1.81	1.54	1.17	1.02	0.811	0.451
1.65V	32.1	20.2	14.5	9.80	6.23	5.08	3.27	2.97	2.19	1.75	1.51	1.16	1.00	0.803	0.442
1.70V	26.4	19.0	13.5	9.51	6.04	4.92	3.20	2.92	2.15	1.66	1.50	1.13	0.983	0.787	0.434
1.75V	24.4	18.2	12.5	9.30	5.81	4.74	3.13	2.85	2.12	1.64	1.42	1.11	0.959	0.770	0.425
1.80V	22.5	17.0	11.6	8.96	5.62	4.58	3.07	2.77	2.01	1.61	1.37	1.09	0.934	0.754	0.408
1.85V	20.1	15.8	10.3	8.21	5.20	4.24	2.97	2.63	1.89	1.56	1.31	1.05	0.895	0.731	0.401

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	60.8	38.1	28.9	17.4	11.9	9.92	6.63	5.81	4.27	3.43	2.91	2.30	1.92	1.57	0.893
1.65V	56.0	36.0	27.0	17.3	11.2	9.33	6.54	5.58	4.15	3.32	2.86	2.27	1.89	1.55	0.868
1.70V	51.2	35.0	25.8	17.2	10.9	9.05	6.46	5.48	4.09	3.15	2.78	2.24	1.87	1.53	0.862
1.75V	46.5	33.9	24.9	17.0	10.5	8.78	6.33	5.36	4.02	3.11	2.71	2.20	1.79	1.50	0.843
1.80V	41.7	32.7	23.8	16.9	10.4	8.66	6.16	5.32	3.92	3.08	2.65	2.14	1.73	1.46	0.837
1.85V	37.2	30.6	21.3	15.5	9.72	8.10	6.06	5.08	3.73	3.03	2.53	2.11	1.66	1.44	0.829