

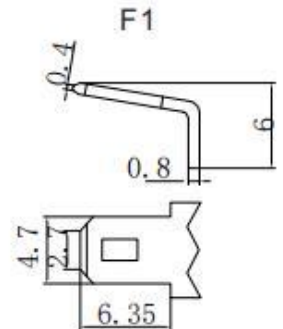
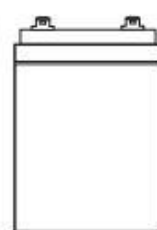
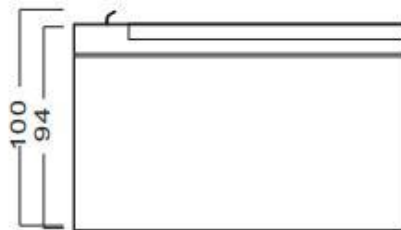
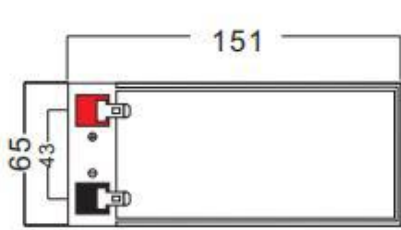
General Features

- ▶ 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	9.0Ah
Design life	5 years
Terminal	F1/F2
Approx. Weight	Approx 2.45kg (5.40lbs)
Container Material	ABS
short-circuit current	666A
Internal resistance(Full charged at 25°C:)	18.0 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. 2.25A;Recom.0.90A
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

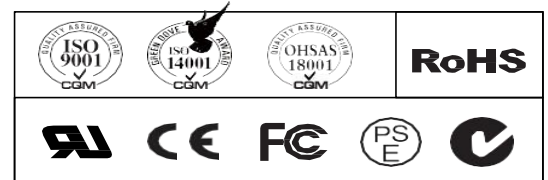
Applications

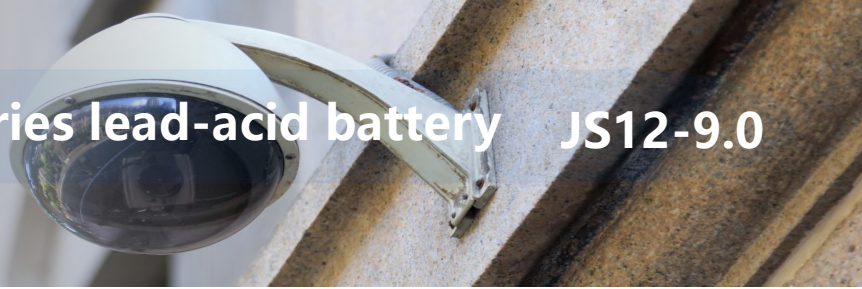
- ▶ UPS/EPS
- ▶ Power systems
- ▶ Telecommunications system
- ▶ Emergency lighting, Auto control system
- ▶ Solar/wind generating storage cyclic
- ▶ Other general purpose

Rated Capacity

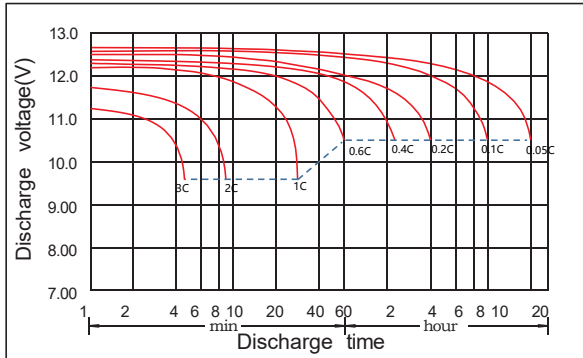
20Hour Rate (0.45A to 10.5V)	9.00Ah
3Hour Rate (2.29A to 10.2V)	6.87Ah
1Hour Rate (6.28A to 9.6V)	6.28Ah

Attain Certificate

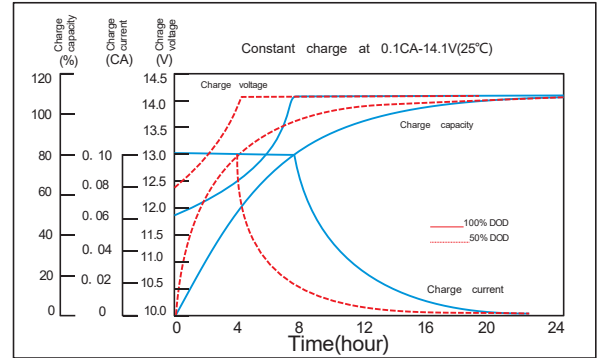




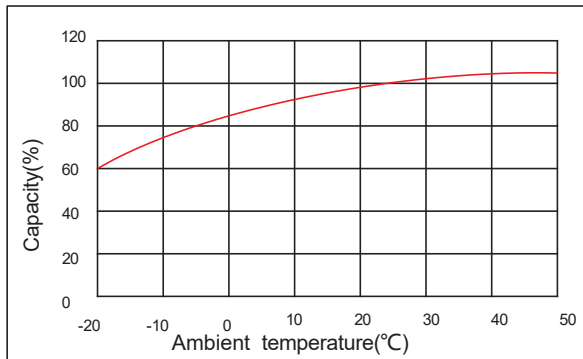
Discharge characteristic



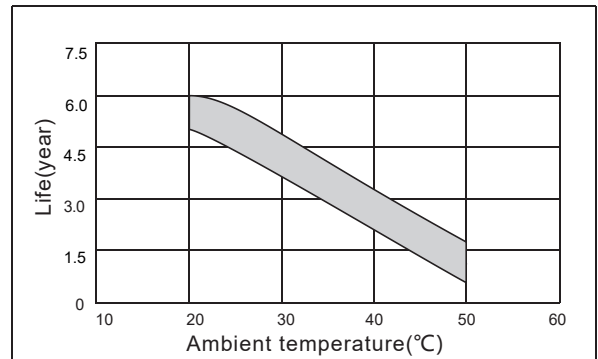
Charging characteristic



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	42.4	27.0	21.2	12.0	8.26	6.28	5.02	3.40	2.39	1.98	1.69	1.29	1.12	0.916	0.477
1.65V	38.6	24.9	19.8	11.4	7.87	5.98	4.81	3.26	2.32	1.93	1.66	1.27	1.10	0.904	0.468
1.70V	37.0	24.0	19.3	11.1	7.70	5.85	4.72	3.20	2.29	1.82	1.64	1.25	1.08	0.884	0.457
1.75V	34.2	22.4	18.2	10.7	7.49	5.69	4.57	3.13	2.25	1.80	1.57	1.22	1.05	0.870	0.450
1.80V	31.3	20.9	17.3	10.2	7.16	5.45	4.43	3.04	2.12	1.76	1.50	1.20	1.03	0.850	0.432
1.85V	26.9	17.8	14.8	9.02	6.48	4.91	4.05	2.90	2.00	1.71	1.44	1.16	0.949	0.816	0.423

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	76.6	48.8	38.9	22.3	15.5	11.8	9.52	6.37	4.52	3.74	3.19	2.45	2.11	1.77	0.945
1.65V	70.1	45.6	36.7	21.4	14.9	11.3	9.18	6.16	4.41	3.64	3.13	2.41	2.07	1.74	0.918
1.70V	67.9	44.2	36.0	20.9	14.6	11.2	9.04	5.99	4.34	3.46	3.04	2.36	2.05	1.72	0.911
1.75V	63.5	42.2	34.4	20.2	14.2	10.9	8.82	5.89	4.27	3.42	2.99	2.32	1.98	1.68	0.893
1.80V	59.0	40.1	32.9	19.4	13.6	10.5	8.59	5.85	4.16	3.38	2.92	2.27	1.94	1.65	0.886
1.85V	51.1	34.0	28.4	17.4	12.5	9.54	7.87	5.60	3.91	3.35	2.83	2.21	1.89	1.62	0.877