

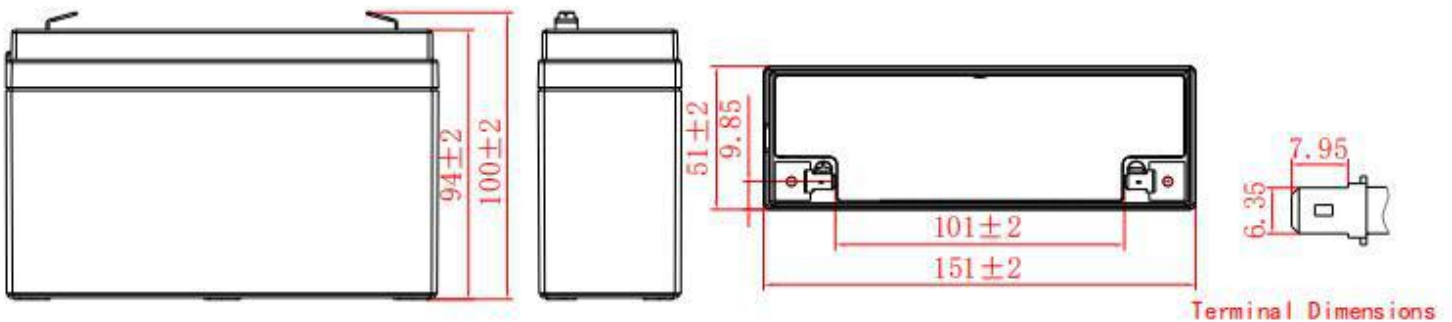
## General Features

- ▶ 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) × 51(W) × 94(H) × 100(TH)**

**Unit: mm**



Specification	
Nominal Voltage	6V
Nominal Capacity	14.0Ah
Design life	5 years
Terminal	F1/F2
Approx. Weight	Approx 1.75kg (3.86lbs)
Container Material	ABS
short-circuit current	666A
Internal resistance(Full charged at 25°C: )	9.0 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. 3.5A;Recom.1.4A
Float charge:6.75-6.90V	recom.6.75V(-9mV/ °C)
Equalize charge:6.90-7.05V	recom.7.05V(-12mV/ °C)
Cycle charge:7.20-7.50V	recom.7.35V(-15mV/ °C)

## Standards

Executive standard GB/T 19639.1-2014

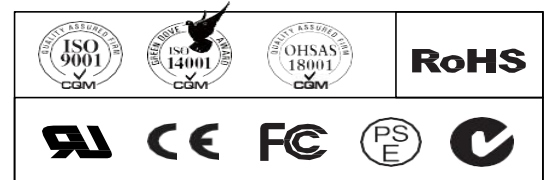
## Applications

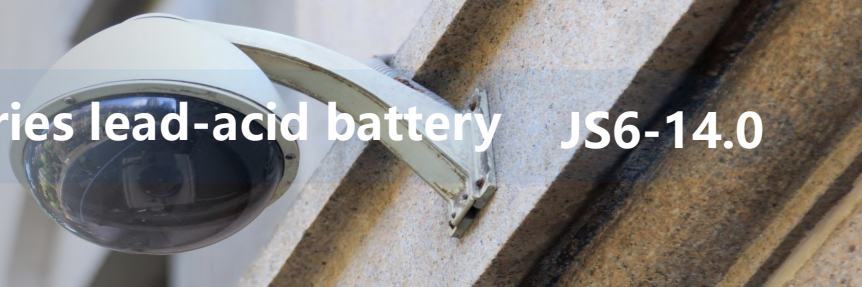
- ▶ UPS/EPS
- ▶ Power systems
- ▶ Telecommunications system
- ▶ Emergency lighting, Auto control system
- ▶ Solar/wind generating storage cyclic
- ▶ Other general purpose

## Rated Capacity

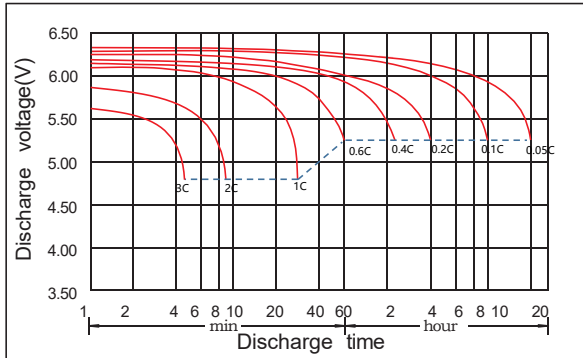
20Hour Rate (0.700A to 5.25V)	14.0Ah
3Hour Rate (3.48A to 5.10V)	10.44Ah
1Hour Rate (8.71A to 4.80V)	8.71Ah

## Attain Certificate

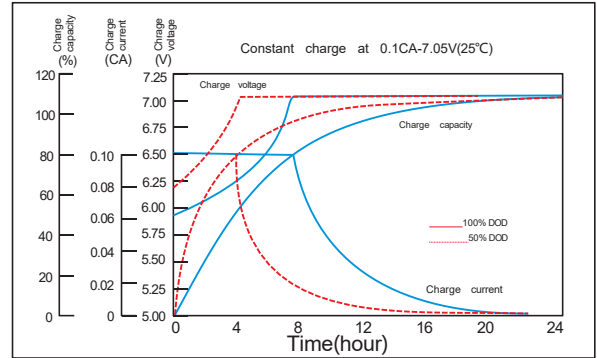




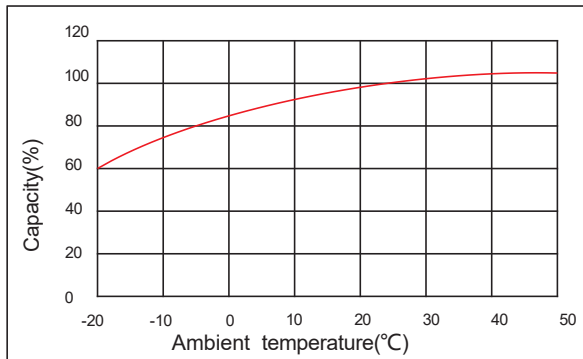
## Discharge characteristic



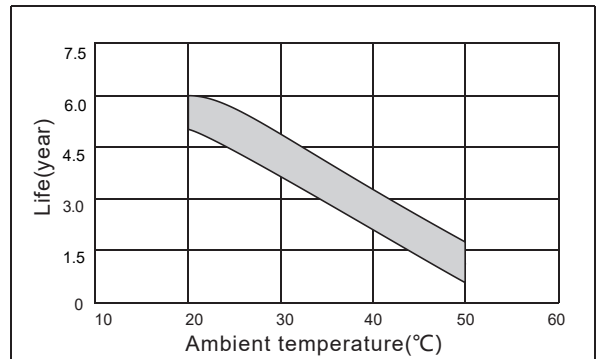
## Charging characteristic



## 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	52.3	32.2	23.3	14.5	11.8	8.71	6.09	4.99	3.64	2.92	2.49	1.93	1.64	1.31	0.742
1.65V	51.9	30.9	21.3	13.8	11.1	8.18	5.78	4.80	3.54	2.83	2.43	1.89	1.61	1.30	0.728
1.70V	42.5	29.0	19.9	13.4	10.8	7.92	5.61	4.70	3.48	2.68	2.40	1.86	1.58	1.27	0.714
1.75V	39.5	27.6	18.6	13.0	10.5	7.65	5.43	4.58	3.42	2.64	2.30	1.82	1.54	1.24	0.700
1.80V	36.3	26.1	17.3	12.7	10.1	7.38	5.27	4.47	3.23	2.59	2.20	1.77	1.51	1.21	0.672
1.85V	32.7	23.4	15.5	11.3	9.12	6.64	4.74	4.02	2.92	2.32	1.98	1.60	1.35	1.09	0.604

### 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	98.1	58.1	42.6	24.4	23.1	16.0	12.0	9.35	6.89	5.52	4.69	3.78	3.09	2.53	1.47
1.65V	90.4	55.0	40.0	24.3	21.8	15.1	11.3	9.00	6.69	5.35	4.60	3.73	3.05	2.49	1.44
1.70V	82.7	53.4	38.2	24.2	21.1	14.5	11.1	8.82	6.58	5.08	4.47	3.67	3.01	2.46	1.42
1.75V	75.0	51.7	36.7	24.0	20.5	14.2	10.7	8.62	6.49	5.02	4.38	3.59	2.89	2.41	1.39
1.80V	67.3	50.1	35.2	23.8	19.8	14.0	10.4	8.56	6.31	4.97	4.27	3.50	2.79	2.35	1.38
1.85V	60.6	45.0	31.7	21.5	17.8	12.5	9.34	7.70	5.69	4.48	3.84	3.15	2.52	2.12	1.24