



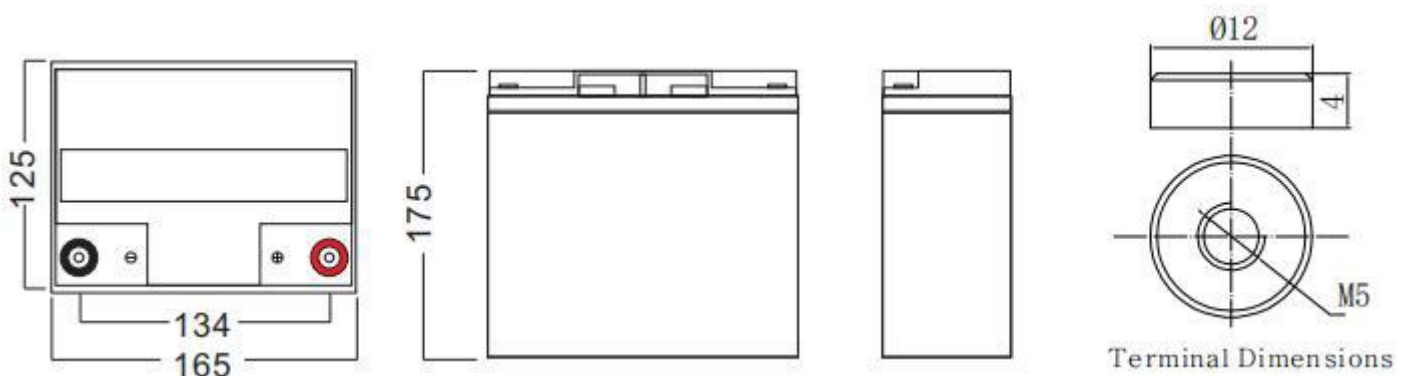
## General Features

- ▶ 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
- ▶ Long life



**Dimension:**165(L)×125(W) ×175(H)×175(TH)

**Unit:** mm



Specification	
Nominal Voltage	12V
Nominal Capacity	24Ah
Design life	10 years
Terminal	M5
Approx. Weight	Approx8.8kg (19.4lbs)
Container Material	ABS
short-circuit current	1090A
Internal resistance(Full charged at 25°C: )	11.0 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. 6.0A;Recom.2.4A
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 32620.1-2016

## Applications

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

## Rated Capacity

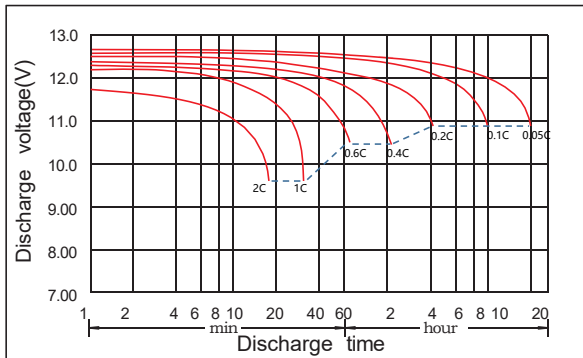
20Hour Rate (1.20A to 10.5V)	24.0Ah
3Hour Rate (5.71A to 10.2V)	17.13Ah
1Hour Rate (13.3A to 9.6V)	13.3Ah

## Attain Certificate

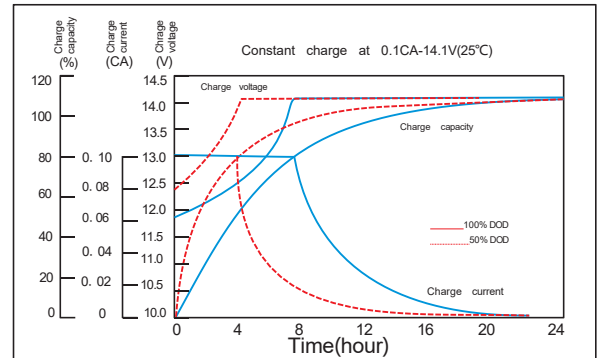




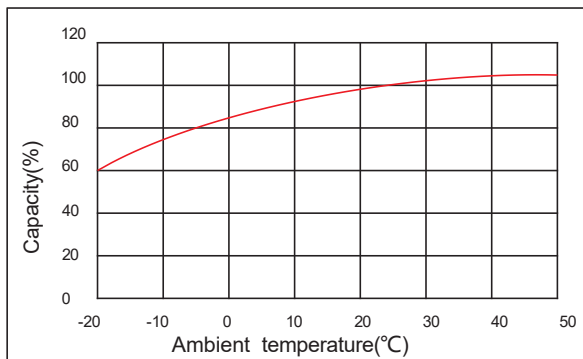
## Discharge characteristic



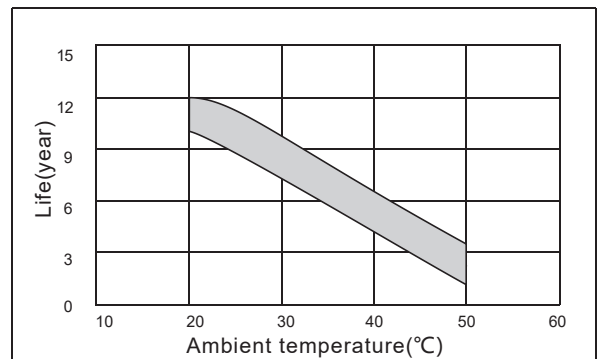
## Charging characteristic



## 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	57.0	46.1	30.9	19.7	16.3	13.3	9.67	8.46	5.94	4.64	4.04	3.43	2.66	2.38	1.30
1.65V	56.0	45.3	30.3	19.3	16.0	13.0	9.48	8.29	5.83	4.55	3.97	3.36	2.61	2.33	1.27
1.70V	54.9	44.5	29.7	19.0	15.7	12.8	9.32	8.17	5.71	4.47	3.89	3.30	2.57	2.29	1.25
1.75V	53.9	43.7	29.2	18.6	15.4	12.6	9.13	8.00	5.62	4.38	3.82	3.24	2.51	2.25	1.20
1.80V	51.8	42.0	28.1	17.9	14.8	12.1	8.78	7.71	5.40	4.21	3.67	3.11	2.42	2.16	1.14
1.85V	49.4	39.4	26.5	16.6	13.9	11.3	8.18	7.26	5.15	3.92	3.51	2.90	2.30	2.01	1.06

## 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	110	79.9	59.4	37.9	30.7	25.6	19.3	16.3	11.4	9.14	7.77	6.70	5.12	4.57	2.54
1.65V	108	78.4	58.3	37.3	30.2	25.1	19.0	16.0	11.3	8.98	7.66	6.59	5.03	4.49	2.50
1.70V	106	76.8	57.3	36.6	29.6	24.6	18.6	15.7	11.0	8.81	7.49	6.46	4.94	4.41	2.45
1.75V	104	75.4	56.2	35.9	29.0	24.2	18.3	15.4	10.8	8.65	7.37	6.34	4.85	4.33	2.40
1.80V	99.8	72.6	54.0	34.5	27.9	23.3	17.6	14.8	10.4	8.32	7.09	6.10	4.66	4.16	2.31
1.85V	94.6	68.6	51.2	33.4	26.4	22.0	16.7	14.2	9.77	7.92	6.69	5.81	4.42	3.96	2.20