

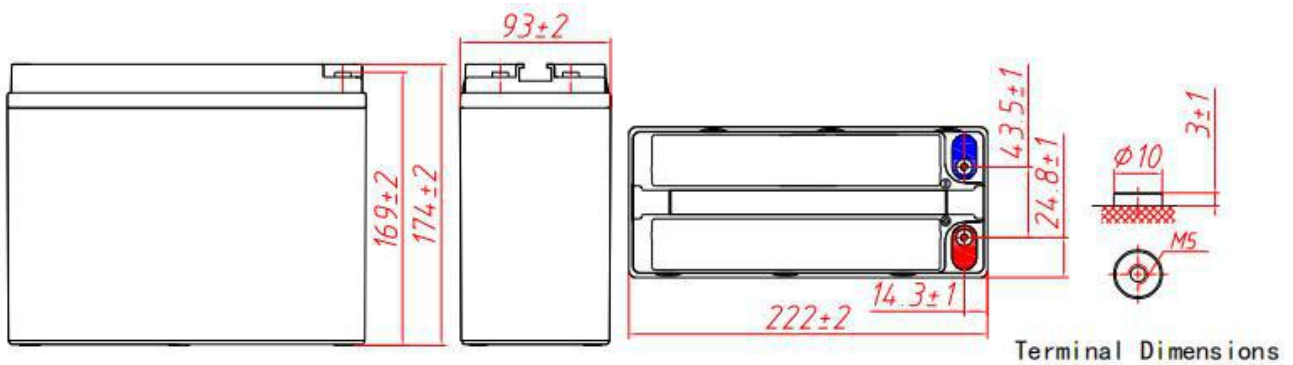
## General Features

- ▶ 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
- ▶ Strong high and low temperature performance
- ▶ Low self-discharge rate



**Dimension: 222(L) × 93(W) × 174(H) × 174(TH)**

**Unit: mm**



Specification	
Nominal Voltage	12V
Nominal Capacity	32.3Ah
Design life	5 years
Terminal	M6
Approx. Weight	Approx 9.10kg (20.0lbs)
Container Material	ABS
Self discharge	3% of capacity declined per month at 25°C
Rated Capacity	
10Hour Rate (3.60A to 10.5V)	36.0Ah
3Hour Rate (10.8A to 10.5V)	32.3Ah
1Hour Rate (27.5A to 10.5V)	27.5Ah
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)	
Max charge current	4.85A
Float Use:	13.7-13.9V@25
Cycle Use :	14.7-14.9V,@25

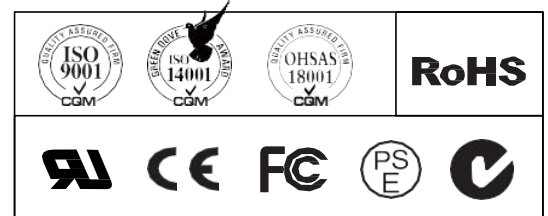
## Standards

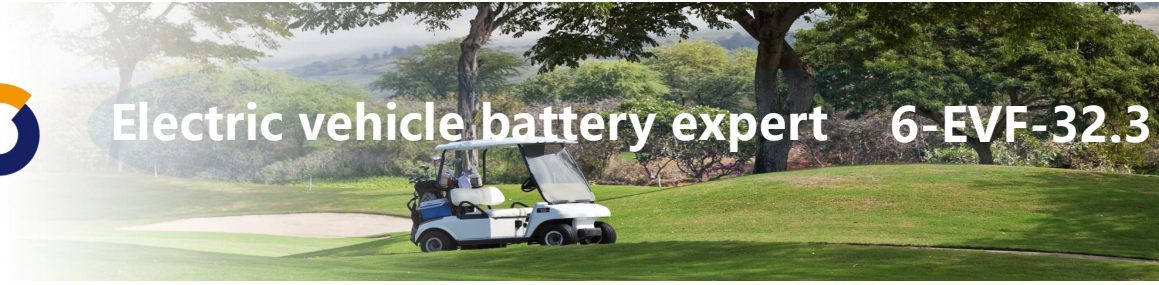
Executive standard :GB/T32620-2016

## Applications

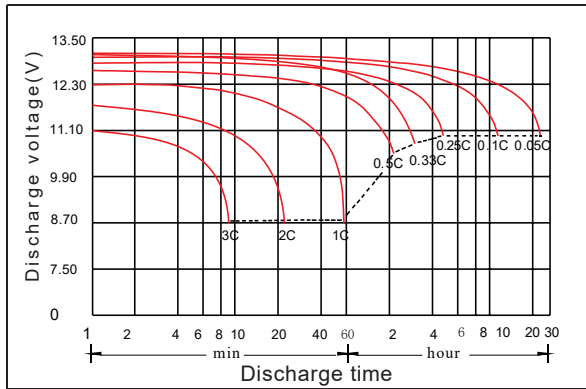
- ▶ Electric vehicle
- ▶ Electric wheelchair
- ▶ Electric scooter
- ▶ Electric play car for children
- ▶ Garbage truck
- ▶ Patrol car

## Attain Certificate

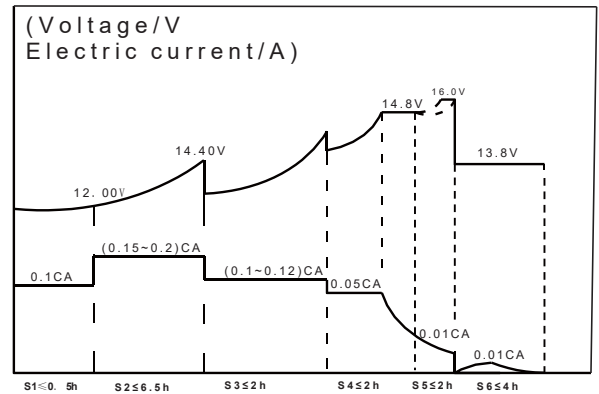




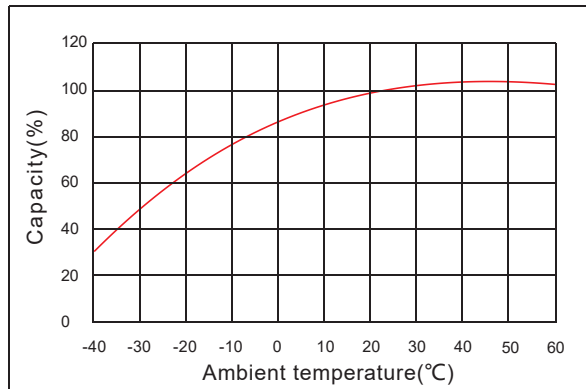
## Discharge characteristic



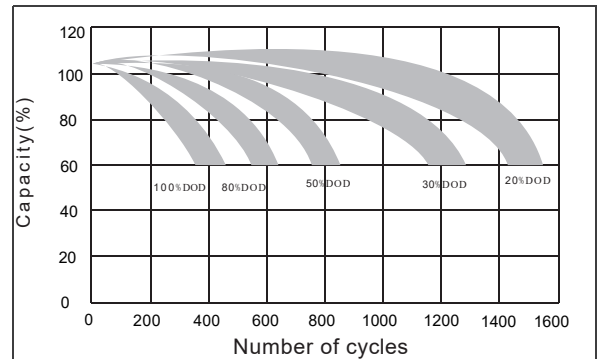
## Charging characteristic



## The effect of temperature on capacity



## The effect of discharge depth on cycle life



## Constant Current Discharge Characteristics Unit:A (25°C,77°F)

FV/Time	5min	15min	30min	1h	2h	3h	5h	8h	10h	20h
1.60V	142	76.3	48.2	28.3	15.4	11.2	7.11	4.40	3.71	2.03
1.65V	138	74.0	47.3	28.1	15.4	11.1	7.07	4.36	3.67	2.02
1.70V	132	72.7	46.4	27.9	15.2	10.9	6.98	4.32	3.64	2.01
1.75V	122	70.0	46.0	27.5	15.0	10.8	6.90	4.28	3.60	2.00
1.80V	109	65.5	44.0	26.8	14.7	10.8	6.73	4.28	3.56	1.99
1.85V	97.4	58.3	40.2	24.8	14.0	10.1	6.40	4.08	3.46	1.95

## Constant Power Discharge Characteristics Unit: W/cell (25°C,77°F)

FV/Time	5min	15min	30min	1h	2h	3h	5h	8h	10h	20h
1.60V	239	135	87.2	53.7	29.2	21.3	13.5	8.55	7.13	4.02
1.65V	229	132	86.3	53.2	29.1	21.1	13.4	8.48	7.05	4.00
1.70V	228	131	86.3	52.8	29.0	20.9	13.3	8.44	6.97	3.98
1.75V	213	130	85.8	52.3	28.8	20.8	13.3	8.40	6.93	3.96
1.80V	196	123	83.5	51.8	28.7	20.8	13.1	8.32	6.85	3.94
1.85V	175	110	76.5	48.1	27.4	19.7	12.5	8.04	6.73	3.90