

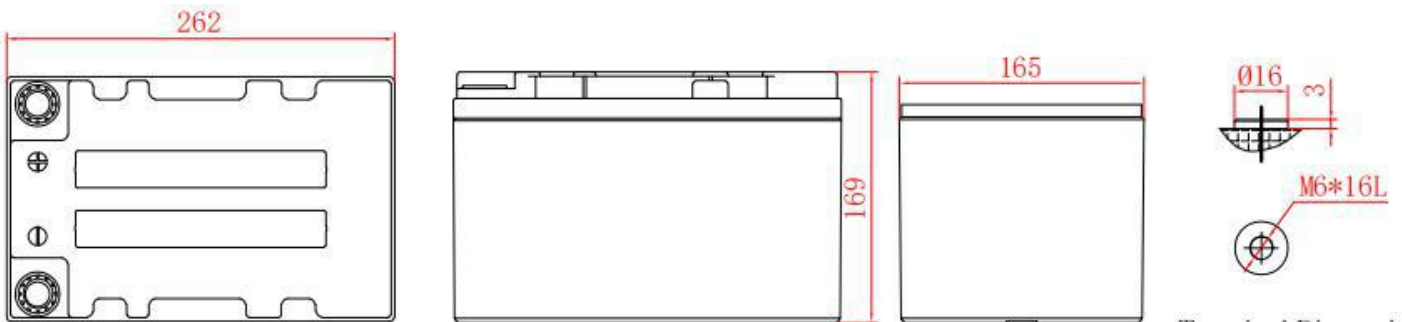
## General Features

- ▶ 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: 262(L) × 165(W) × 169(H) × 169(TH)**

**Unit: mm**



Terminal Dimensions

Specification	
Nominal Voltage	12V
Nominal Capacity	60Ah
Design life	5 years
Terminal	M6
Approx. Weight	Approx 19.5kg (42.9lbs)
Container Material	ABS
Self discharge	3% of capacity declined per month at 25°C
Rated Capacity	
20Hour Rate (3.75A to 10.5V)	75.0Ah
3Hour Rate (20.0A to 10.5V)	60.0Ah
1Hour Rate (49.5A to 10.5V)	49.5Ah
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	9.0A
Float Use:	13.7-13.9V@25
Cycle Use :	14.7-14.9V,@25

## Standards

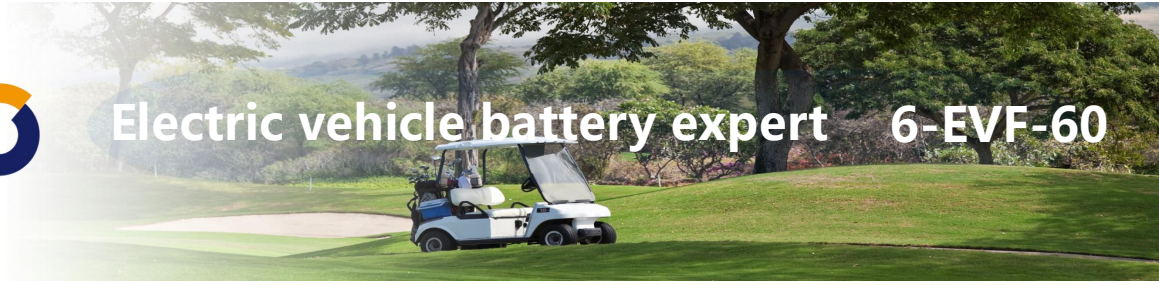
Executive standard :GB/T32620-2016

## Applications

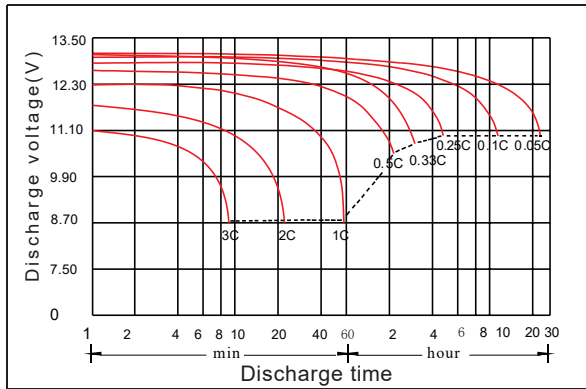
- ▶ Electric vehicle
- ▶ Electric wheelchair
- ▶ Electric scooter
- ▶ Electric play car for children
- ▶ Garbage truck
- ▶ Patrol car

## Attain Certificate

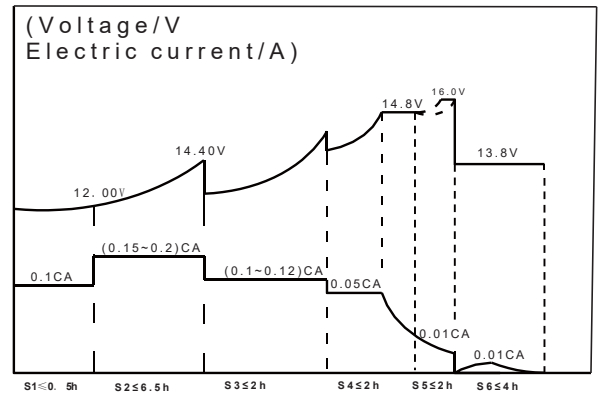




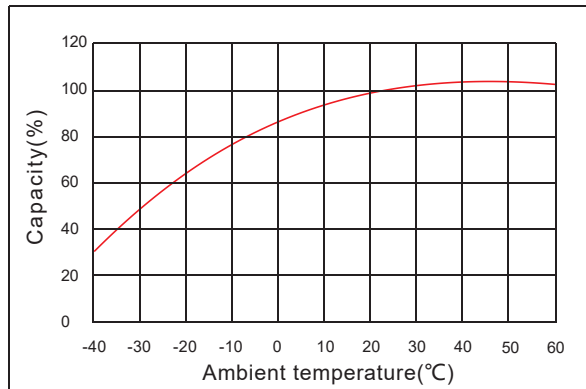
## Discharge characteristic



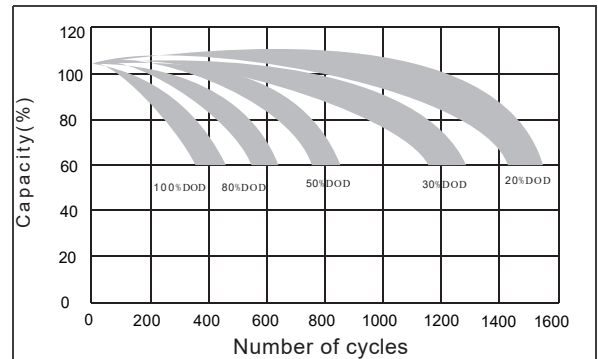
## Charging characteristic



## 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	30min	1h	2h	3h	5h	8h	10h	20h
1.60V	81.8	50.9	28.3	20.7	13.4	8.67	7.31	3.80
1.65V	80.2	50.6	28.2	20.6	13.3	8.59	7.24	3.79
1.70V	78.6	50.3	27.9	20.2	13.2	8.51	7.17	3.77
1.75V	78.0	49.5	27.5	20.0	13.0	8.44	7.10	3.75
1.80V	74.6	48.2	27.0	19.9	12.7	8.44	7.03	3.73
1.85V	68.1	44.7	25.6	18.8	12.0	8.05	6.82	3.66

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

FV/Time	30min	1h	2h	3h	5h	8h	10h	20h
1.60V	148	96.6	53.5	39.5	25.4	16.9	14.1	7.53
1.65V	146	95.8	53.3	39.0	25.3	16.7	13.9	7.50
1.70V	146	95.0	53.1	38.8	25.1	16.6	13.7	7.46
1.75V	145	94.1	52.8	38.5	25.0	16.6	13.7	7.43
1.80V	142	93.3	52.6	38.4	24.7	16.4	13.5	7.39
1.85V	130	86.6	50.3	36.5	23.5	15.9	13.3	7.32