

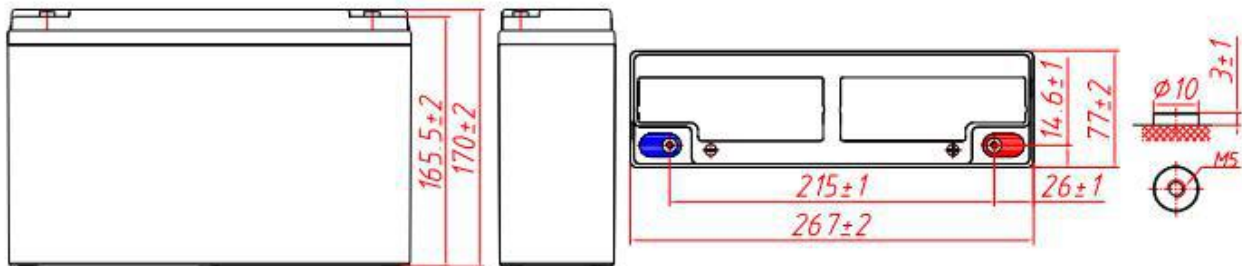
General Features

- ▶ 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: 267(L) × 77(W) × 170(H) × 170(TH)

Unit: mm



Terminal Dimensions

Specification	
Nominal Voltage	12V
Nominal Capacity	36.3Ah
Design life	5 years
Terminal	M5
Approx. Weight	Approx 10.0kg (22.0lbs)
Container Material	ABS
Self discharge	3% of capacity declined per month at 25°C
Rated Capacity	
10Hour Rate (3.90A to 10.5V)	39.0Ah
3Hour Rate (12.1A to 10.5V)	36.3Ah
1Hour Rate (30.0A to 10.5V)	30.0Ah
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	5.45A
Float Use:	13.7-13.9V@25
Cycle Use :	14.7-14.9V,@25

Standards

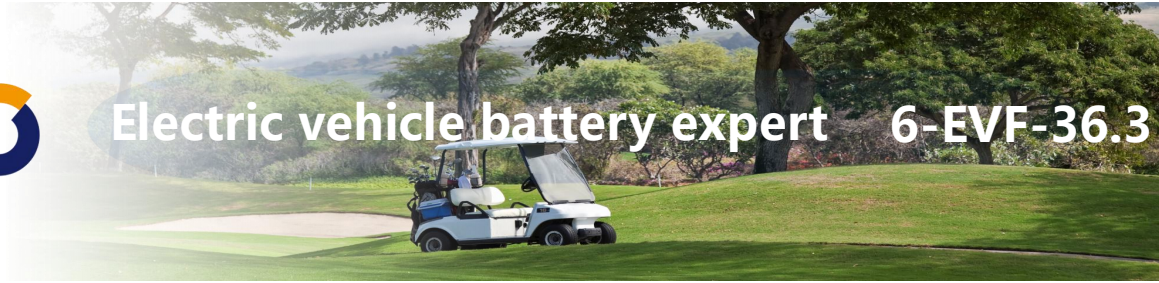
Executive standard :GB/T32620-2016

Applications

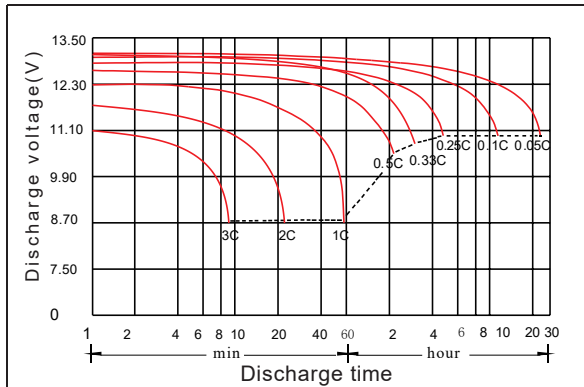
- ▶ Electric vehicle
- ▶ Electric wheelchair
- ▶ Electric scooter
- ▶ Electric play car for children
- ▶ Garbage truck
- ▶ Patrol car

Attain Certificate

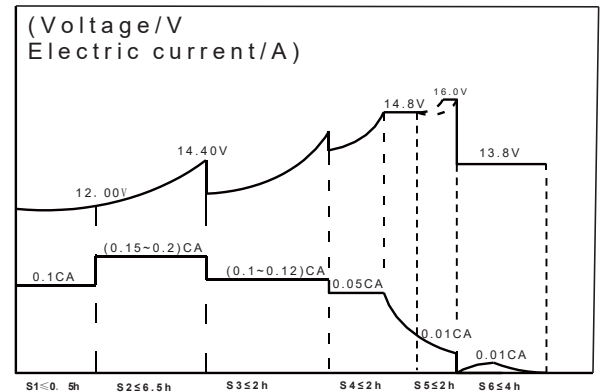




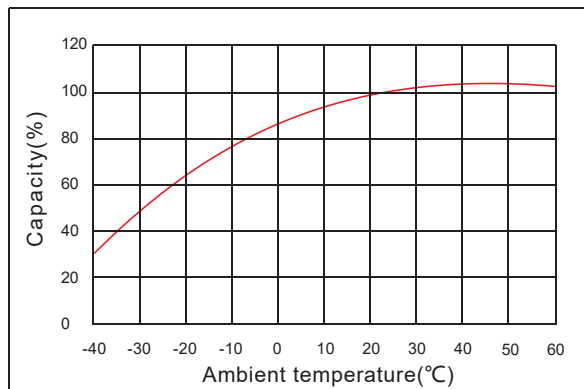
Discharge characteristic



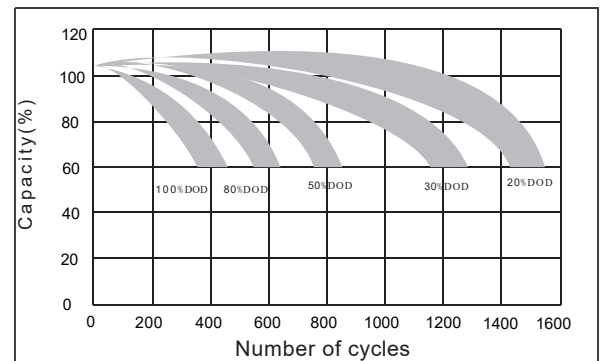
Charging characteristic



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	154	82.8	52.4	30.9	17.5	12.5	7.73	4.76	4.02	2.23
1.65V	150	80.4	51.4	30.7	17.4	12.4	7.68	4.72	3.98	2.22
1.70V	144	78.9	50.4	30.5	17.3	12.2	7.59	4.68	3.94	2.21
1.75V	132	76.0	50.0	30.0	17.0	12.1	7.50	4.63	3.90	2.20
1.80V	118	71.1	47.8	29.2	16.7	12.1	7.32	4.63	3.86	2.19
1.85V	106	63.3	43.6	27.1	15.8	11.4	6.95	4.42	3.75	2.15

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	259	146	94.8	58.6	33.0	23.9	14.7	9.27	7.72	4.42
1.65V	249	144	93.7	58.1	32.9	23.6	14.6	9.18	7.64	4.40
1.70V	248	142	93.7	57.6	32.8	23.5	14.5	9.14	7.55	4.38
1.75V	231	141	93.2	57.0	32.6	23.3	14.4	9.10	7.51	4.36
1.80V	212	133	90.7	56.5	32.5	23.3	14.2	9.01	7.42	4.34
1.85V	190	119	83.2	52.5	31.1	22.1	13.6	8.71	7.29	4.30