

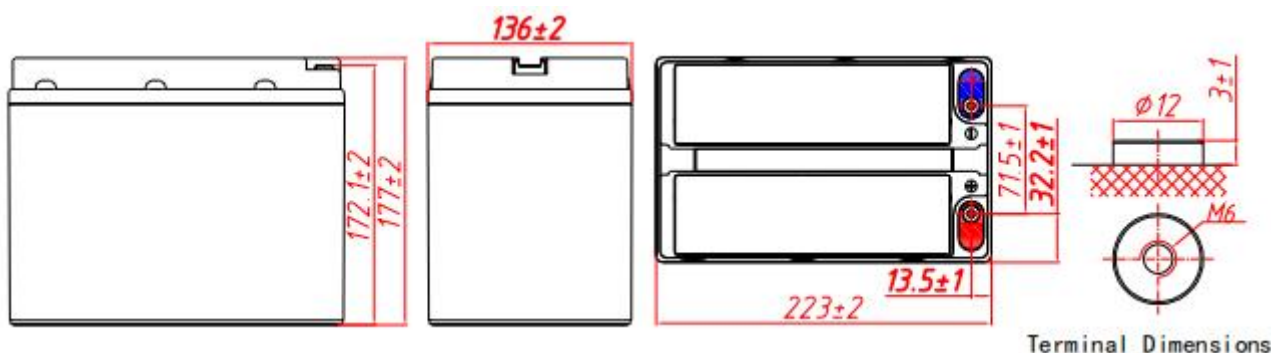
General Features

- 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: 223(L) × 136(W) × 177(H) × 177(TH)

Unit: mm



Terminal Dimensions

Specification

Nominal Voltage	12V
Nominal Capacity	52.3Ah@3Hour-rate to 1.75V per cell @25°C
Design life	5 years
Terminal	M6
Approx. Weight	Approx. 14.05kg ± 3% (30.97lbs ± 3%)
Container Material	ABS
Self discharge	3% of capacity declined per month at 25°C

Rated Capacity

20Hour Rate (3.2A to 10.5V)	64.0Ah
5Hour Rate (11.2A to 10.5V)	56.0Ah
3Hour Rate (17.4A to 10.5V)	52.3Ah

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	7.85A
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

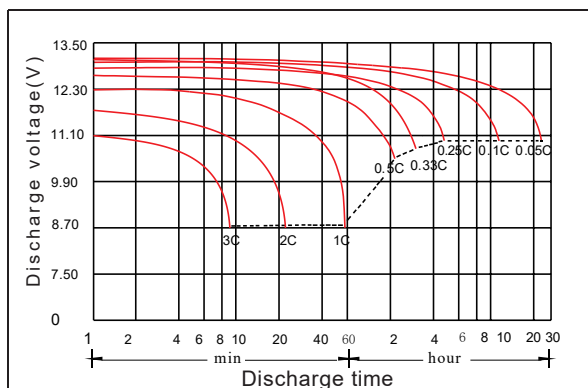
Attain Certificate



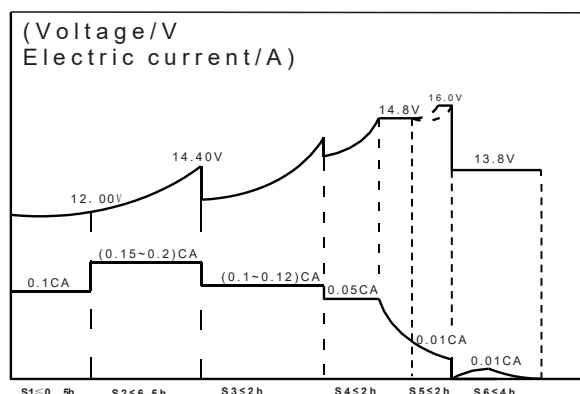
Disclaimer: Manufacturers have the right to self-modify the parameters of the product updates, please keep in touch with manufacturers to obtain the latest information.



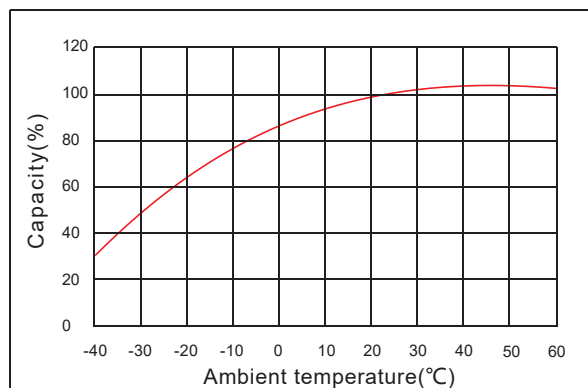
Discharge characteristic



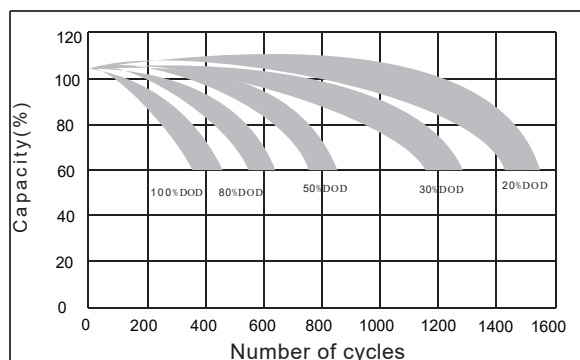
Charging characteristic



The effect of temperature on capacity



The effect of discharge depth on cycle life



Constant Current Discharge Characteristics Unit:A (25,77)

FV/Time	30min	1h	2h	3h	5h	8h	10h	20h
1.60V	71.3	43.2	25.2	18.0	11.5	7.32	5.97	3.25
1.65V	69.9	42.9	25.1	17.9	11.5	7.26	5.91	3.23
1.70V	68.5	42.6	24.9	17.6	11.3	7.19	5.86	3.21
1.75V	68.0	42.0	24.5	17.4	11.2	7.12	5.80	3.20
1.80V	65.1	40.9	24.1	17.3	10.9	7.02	5.74	3.19
1.85V	59.4	37.9	22.8	16.3	10.4	6.79	5.57	3.13

Constant Power Discharge Characteristics Unit: W/cell (25 ,77)

FV/Time	30min	1h	2h	3h	5h	8h	10h	20h
1.60V	128.3	82.1	48.4	34.6	22.1	14.06	11.46	6.24
1.65V	125.8	81.5	48.2	34.4	22.1	13.94	11.35	6.20
1.70V	123.3	80.9	47.8	33.8	21.7	13.80	11.25	6.16
1.75V	122.4	79.8	47.0	33.4	21.5	13.68	11.14	6.14
1.80V	117.2	77.7	46.3	33.2	20.9	13.48	11.02	6.12
1.85V	106.9	72.0	43.8	31.3	19.9	13.04	10.69	6.01