



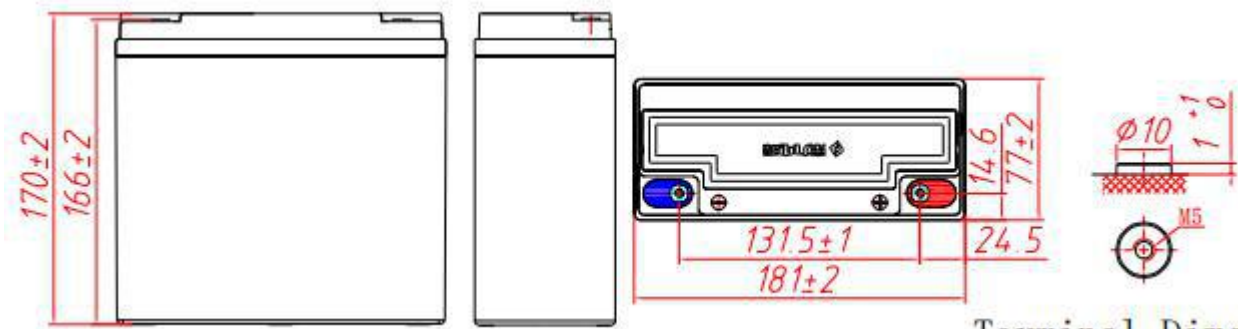
General Features

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

Unit: mm



Terminal Dimensions

Specification	
Nominal Voltage	12V
Nominal Capacity	20.9Ah
Design life	5 years
Terminal	M5
Approx. Weight	Approx 6.25kg (13.8lbs)
Container Material	ABS
Self discharge	3% of capacity declined per month at 25°C
Rated Capacity	
10Hour Rate (2.42A to 10.5V)	24.2Ah
2Hour Rate (10.45A to 10.5V)	20.9Ah
1Hour Rate (16.2A to 10.5V)	16.2Ah
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	3.14A
Float Use:	13.7-13.9V@25
Cycle Use :	14.7-14.9V,@25

Standards

Executive standard :T/ZJXDC 001-2021

Applications

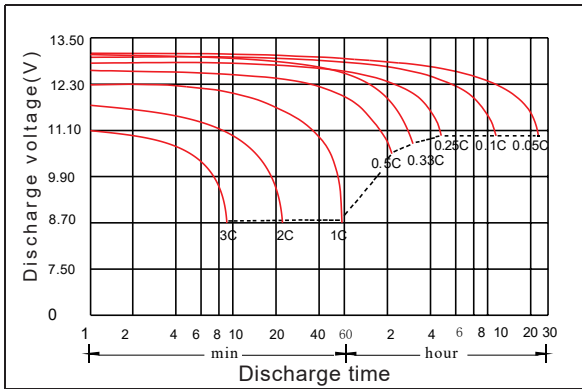
- ▶ Electric vehicle
- ▶ Electric wheelchair
- ▶ Electric scooter
- ▶ Electric play car for children
- ▶ Garbage truck
- ▶ Patrol car

Attain Certificate

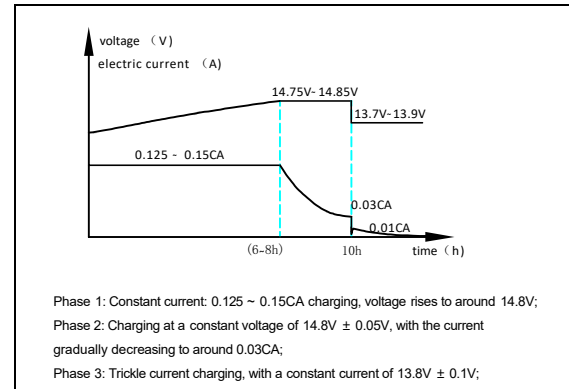




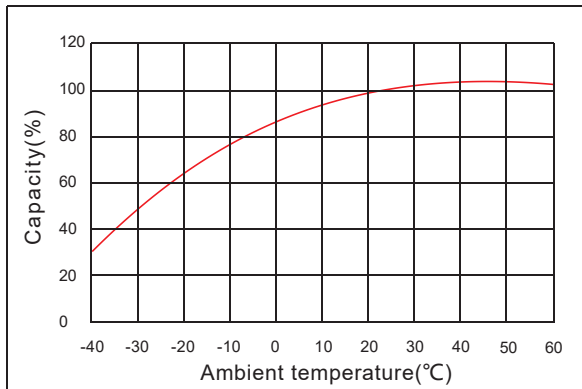
Discharge characteristic



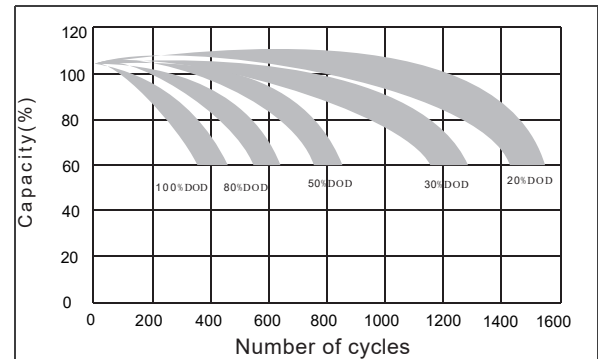
Charging characteristic



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	95.5	51.2	29.9	16.7	10.8	7.47	4.76	2.96	2.49	1.30
1.65V	92.5	49.7	29.3	16.6	10.7	7.41	4.73	2.93	2.47	1.29
1.70V	88.9	48.8	28.7	16.4	10.6	7.29	4.68	2.90	2.44	1.29
1.75V	81.6	47.0	28.5	16.2	10.45	7.20	4.62	2.88	2.42	1.28
1.80V	73.2	44.0	27.3	15.8	10.3	7.17	4.51	2.88	2.40	1.27
1.85V	65.4	39.2	24.9	14.6	9.73	6.76	4.28	2.74	2.32	1.25

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	160	90.4	54.0	31.6	20.3	14.2	9.04	5.75	4.79	2.57
1.65V	154	88.9	53.4	31.4	20.3	14.0	8.99	5.70	4.74	2.56
1.70V	153	87.7	53.4	31.1	20.2	14.0	8.93	5.67	4.69	2.55
1.75V	143	87.4	53.2	30.8	20.1	13.9	8.87	5.64	4.66	2.54
1.80V	131	82.6	51.7	30.5	20.0	13.8	8.76	5.59	4.61	2.52
1.85V	117	73.8	47.4	28.3	19.1	13.2	8.37	5.40	4.53	2.50