

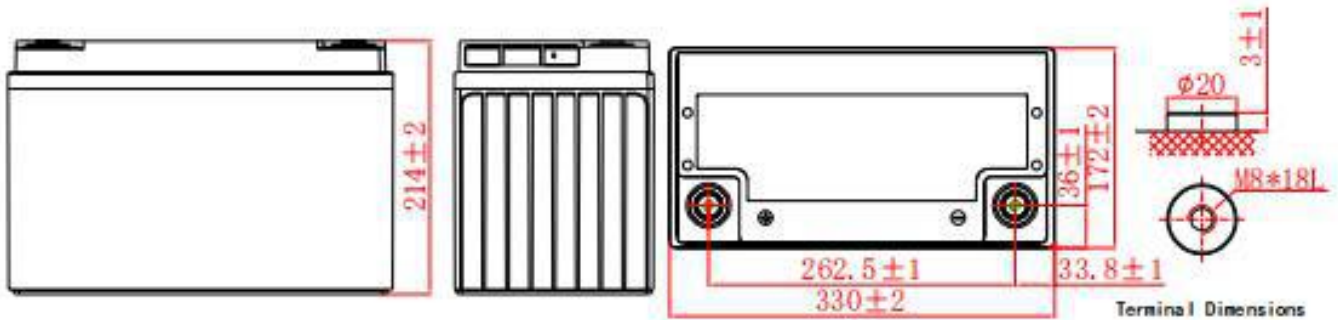
General Features

- ▶ 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: 330(L) × 172(W) × 214(H) × 214(TH)

Unit: mm



Specification	
Nominal Voltage	12V
Nominal Capacity	100Ah
Design life	5 years
Terminal	M8
Approx. Weight	Approx 31.8kg (70.1lbs)
Container Material	ABS
Self discharge	3% of capacity declined per month at 25°C
Rated Capacity	
20Hour Rate (6.25A to 10.5V)	125.0Ah
3Hour Rate (33.4A to 10.5V)	100.0Ah
1Hour Rate (80.0A to 10.5V)	80.0Ah
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	15.0A
Float Use:	13.7-13.9V@25
Cycle Use :	14.7-14.9V,@25

Standards

Executive standard :GB/T32620-2016

Applications

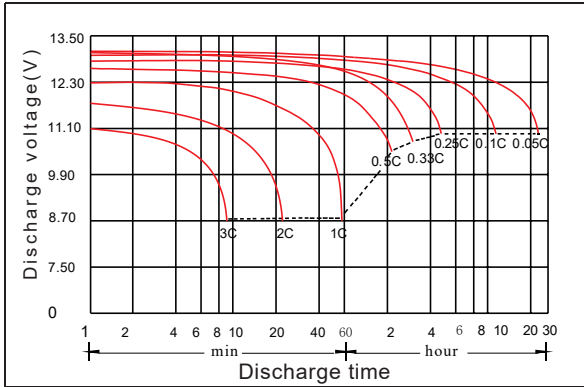
- ▶ Electric vehicle
- ▶ Electric wheelchair
- ▶ Electric scooter
- ▶ Electric play car for children
- ▶ Garbage truck
- ▶ Patrol car

Attain Certificate

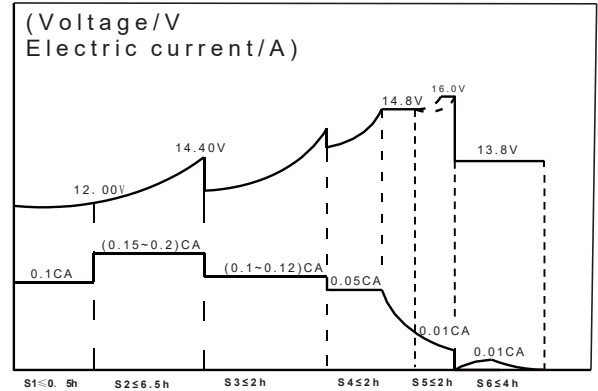




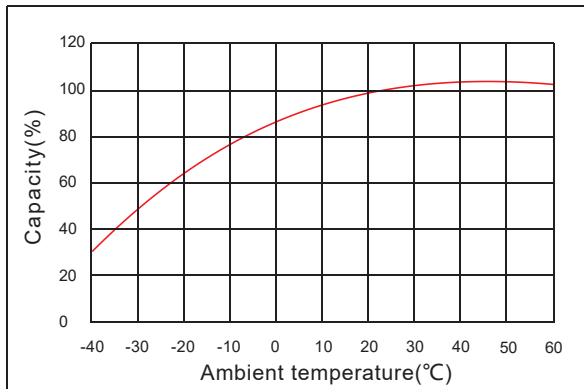
Discharge characteristic



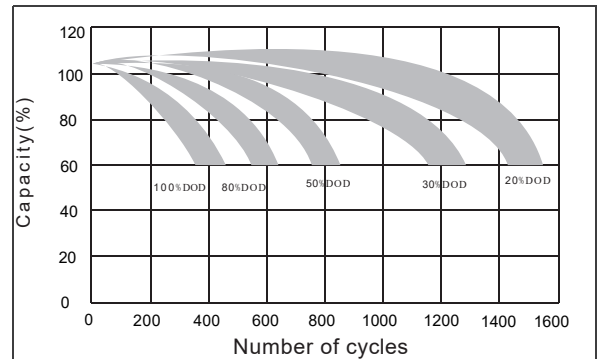
Charging characteristic



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	151	82.3	47.4	34.6	22.2	13.9	11.7	6.34
1.65V	148	81.8	47.1	34.4	22.0	13.8	11.6	6.31
1.70V	145	81.2	46.7	33.8	21.8	13.7	11.5	6.28
1.75V	144	80.0	46.0	33.4	21.5	13.5	11.4	6.25
1.80V	138	78.0	45.2	33.3	21.0	13.5	11.3	6.22
1.85V	126	72.3	42.9	31.3	19.9	12.9	10.9	6.11

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

FV/Time	30min	1h	2h	3h	5h	8h	10h	20h
1.60V	273	156	89.4	66.0	42.1	27.1	22.6	12.6
1.65V	270	155	89.1	65.2	41.8	26.8	22.3	12.5
1.70V	270	153	88.9	64.7	41.6	26.7	22.1	12.4
1.75V	269	152	88.3	64.3	41.3	26.6	21.9	12.4
1.80V	261	151	88.1	64.2	40.8	26.3	21.7	12.3
1.85V	240	140	84.1	61.0	38.9	25.5	21.3	12.2