

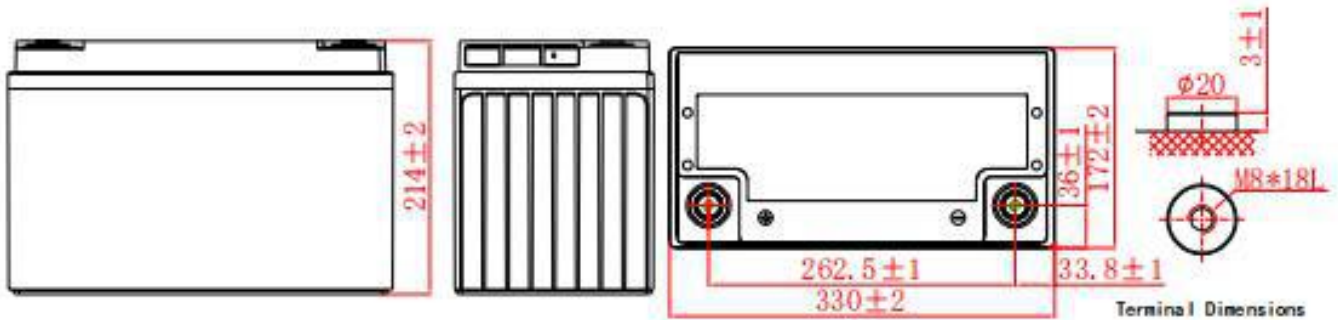
General Features

- ▶ 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	106Ah
Design life	5 years
Terminal	M8
Approx. Weight	Approx 32.8kg (72.3lbs)
Container Material	ABS
Self discharge	3% of capacity declined per month at 25°C
Rated Capacity	
20Hour Rate (6.50A to 10.5V)	130.0Ah
3Hour Rate (35.3A to 10.5V)	106.0Ah
1Hour Rate (85.0A to 10.5V)	85.0Ah
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	15.9A
Float Use:	13.7-13.9V@25
Cycle Use :	14.7-14.9V,@25

Standards

Executive standard :GB/T32620-2016

Applications

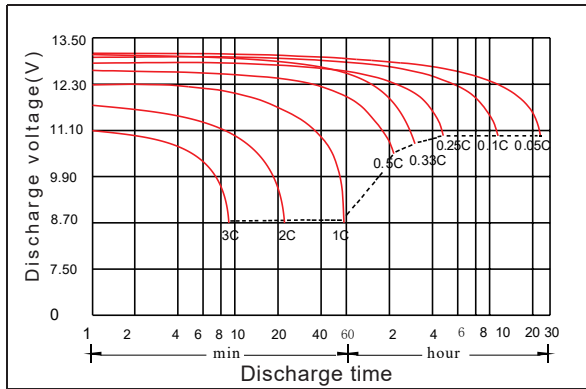
- ▶ Electric vehicle
- ▶ Electric wheelchair
- ▶ Electric scooter
- ▶ Electric play car for children
- ▶ Garbage truck
- ▶ Patrol car

Attain Certificate

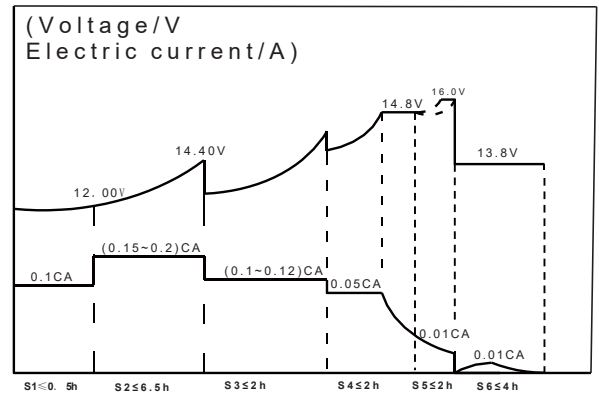




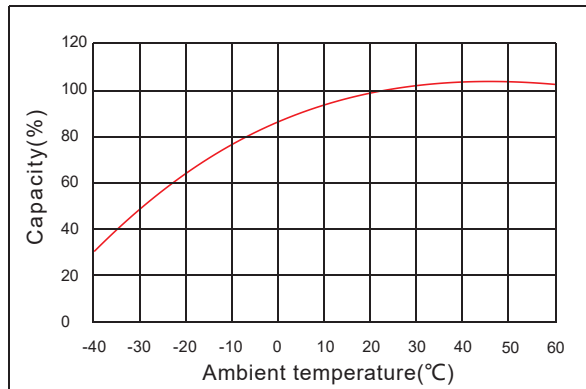
Discharge characteristic



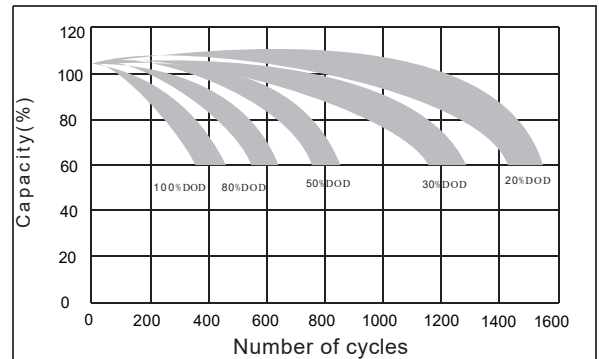
Charging characteristic



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	157	87.5	48.8	36.6	22.7	14.4	12.2	6.63
1.65V	154	86.9	48.5	36.3	22.5	14.3	12.0	6.59
1.70V	151	86.3	48.1	35.7	22.3	14.1	11.9	6.54
1.75V	150	85.0	47.4	35.3	22.0	14.0	11.8	6.50
1.80V	143	82.8	46.6	35.2	21.5	14.0	11.7	6.46
1.85V	131	76.8	44.2	33.1	20.4	13.4	11.3	6.37

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

FV/Time	30min	1h	2h	3h	5h	8h	10h	20h
1.60V	284	166	92.1	69.7	43.1	28.0	23.4	13.2
1.65V	281	165	91.9	68.9	42.8	27.8	23.1	13.1
1.70V	281	163	91.6	68.4	42.5	27.7	22.8	13.0
1.75V	280	162	91.0	68.0	42.3	27.5	22.7	12.9
1.80V	272	160	90.7	67.8	41.7	27.3	22.5	12.8
1.85V	249	149	86.7	64.5	39.8	26.4	22.1	12.7