

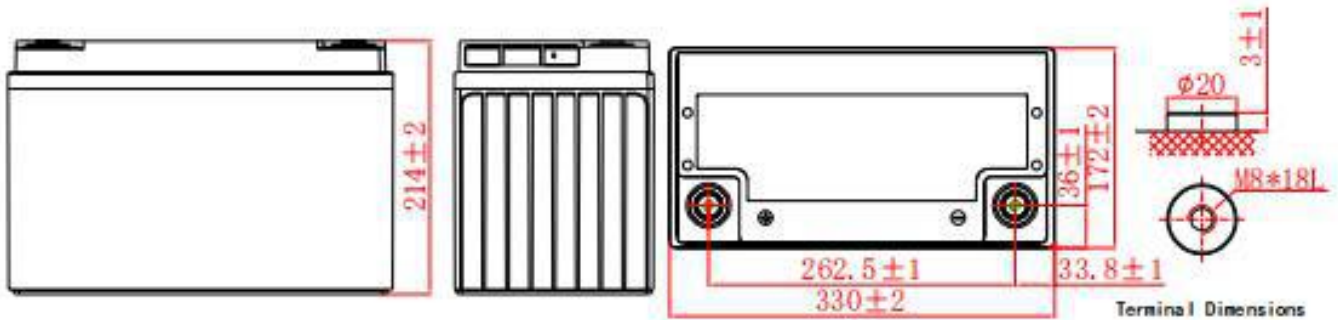
General Features

- ▶ 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	110Ah
Design life	5 years
Terminal	M8
Approx. Weight	Approx 34.2kg (75.4lbs)
Container Material	ABS
Self discharge	3% of capacity declined per month at 25°C
Rated Capacity	
20Hour Rate (6.60A to 10.5V)	132.0Ah
3Hour Rate (36.7A to 10.5V)	110.0Ah
1Hour Rate (90.0A to 10.5V)	90.0Ah
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	16.5A
Float Use:	13.7-13.9V@25
Cycle Use :	14.7-14.9V,@25

Standards

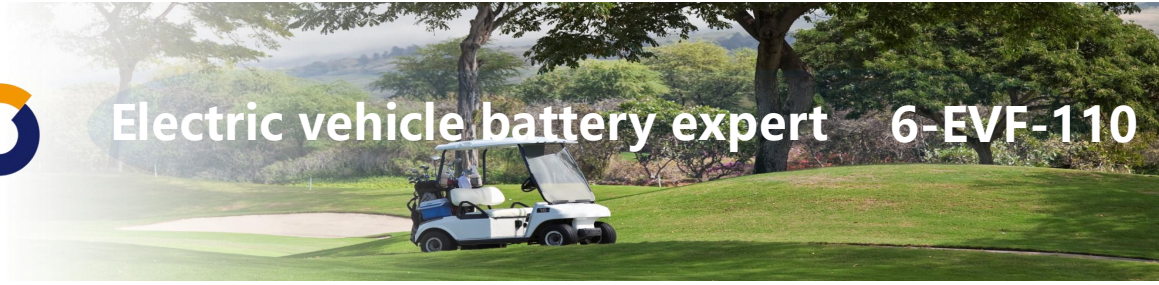
Executive standard :GB/T32620-2016

Applications

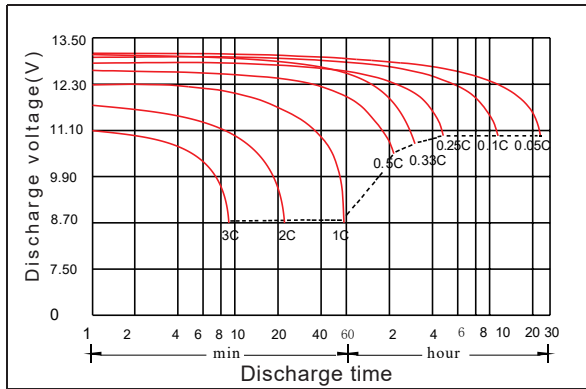
- ▶ Electric vehicle
- ▶ Electric wheelchair
- ▶ Electric scooter
- ▶ Electric play car for children
- ▶ Garbage truck
- ▶ Patrol car

Attain Certificate

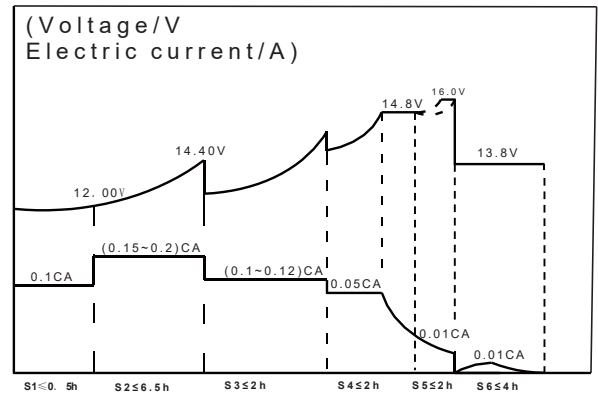




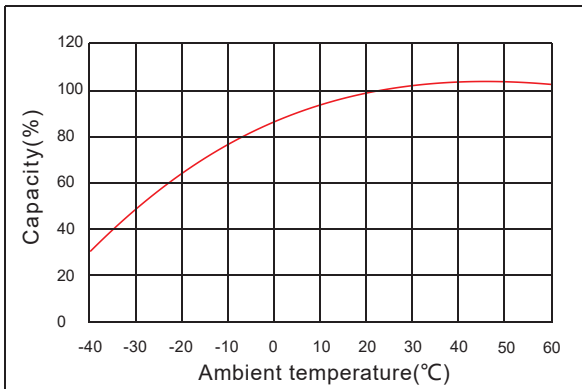
Discharge characteristic



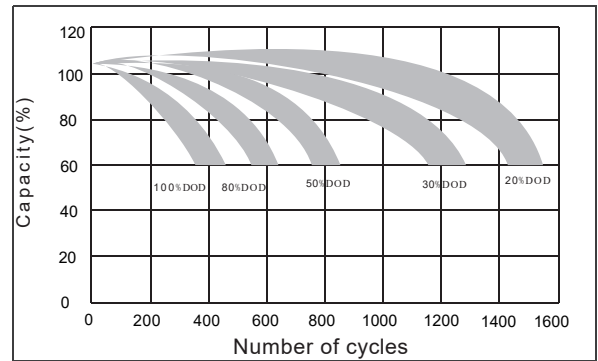
Charging characteristic



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	164	92.6	49.4	38.1	23.7	15.0	12.7	6.70
1.65V	160	92.0	49.1	37.8	23.6	14.9	12.5	6.67
1.70V	157	91.4	48.7	37.2	23.3	14.7	12.4	6.63
1.75V	156	90.0	48.0	36.7	23.0	14.6	12.3	6.60
1.80V	149	87.7	47.1	36.5	22.4	14.6	12.2	6.57
1.85V	136	81.3	44.7	34.4	21.3	13.9	11.8	6.45

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

FV/Time	30min	1h	2h	3h	5h	8h	10h	20h
1.60V	296	176	93.3	72.5	45.0	29.2	24.4	13.3
1.65V	293	174	93.0	71.6	44.7	29.0	24.1	13.2
1.70V	293	173	92.7	71.1	44.5	28.8	23.8	13.1
1.75V	291	171	92.2	70.7	44.2	28.7	23.7	13.1
1.80V	283	170	91.9	70.5	43.6	28.4	23.4	13.0
1.85V	259	157	87.8	67.1	41.7	27.5	23.0	12.9