

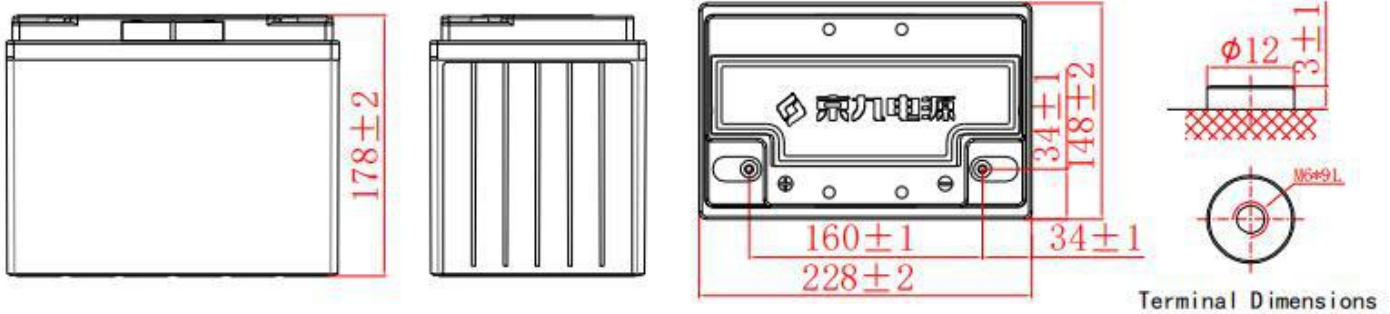
General Features

- ▶ 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: 228(L) × 148(W) × 178(H) × 178(TH)

Unit: mm



Specification	
Nominal Voltage	12V
Nominal Capacity	59Ah
Design life	5 years
Terminal	M6
Approx. Weight	Approx 17.3kg (38.1lbs)
Container Material	ABS
Self discharge	3% of capacity declined per month at 25°C
Rated Capacity	
20Hour Rate (3.50A to 10.5V)	70.0Ah
3Hour Rate (19.7A to 10.5V)	59.0Ah
1Hour Rate (46.0A to 10.5V)	46.0Ah
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	8.85A
Float Use:	13.7-13.9V@25
Cycle Use :	14.7-14.9V,@25

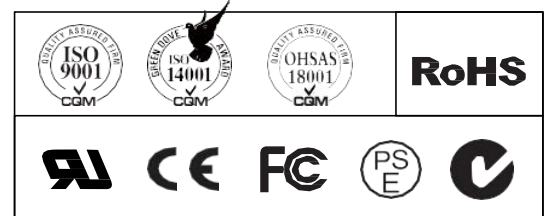
Standards

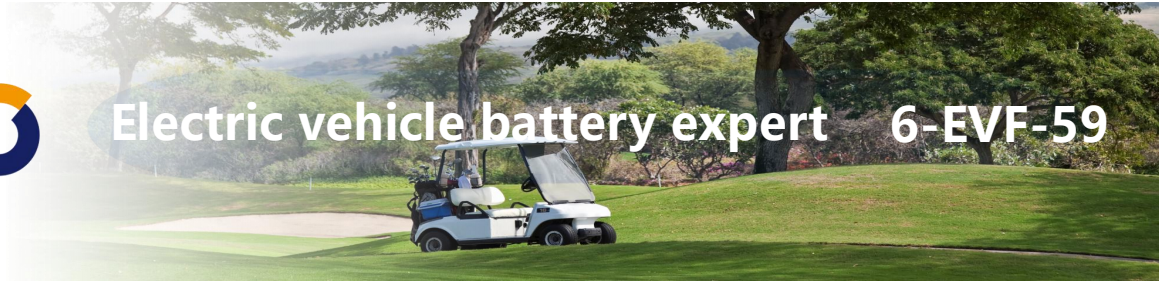
Executive standard :GB/T32620-2016

Applications

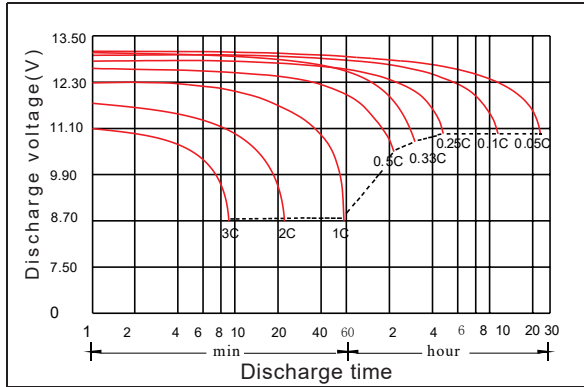
- ▶ Electric vehicle
- ▶ Electric wheelchair
- ▶ Electric scooter
- ▶ Electric play car for children
- ▶ Garbage truck
- ▶ Patrol car

Attain Certificate

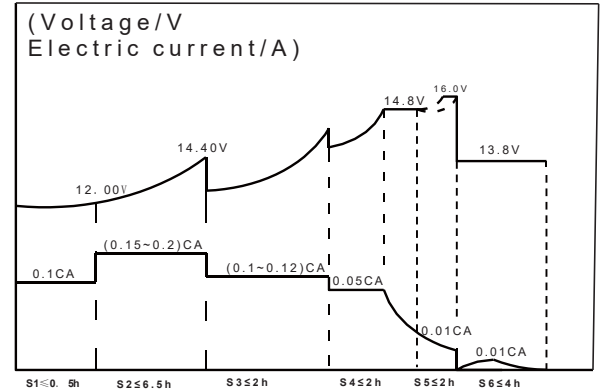




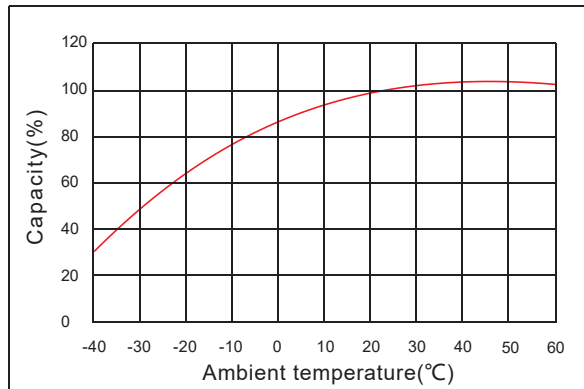
Discharge characteristic



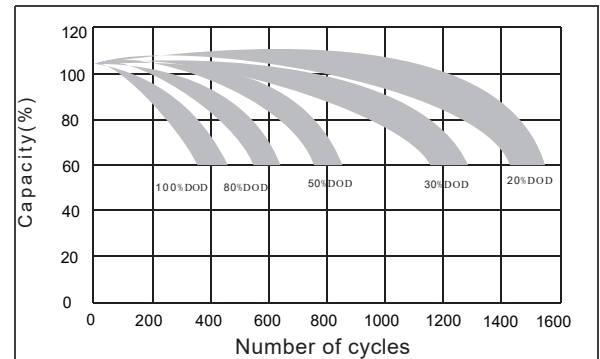
Charging characteristic



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	79.7	47.3	27.3	20.4	12.9	8.06	6.80	3.55
1.65V	78.1	47.0	27.1	20.3	12.8	7.99	6.73	3.54
1.70V	76.6	46.7	26.9	19.9	12.7	7.91	6.67	3.51
1.75V	76.0	46.0	26.5	19.7	12.5	7.84	6.60	3.50
1.80V	72.7	44.8	26.0	19.6	12.2	7.84	6.53	3.49
1.85V	66.3	41.5	24.7	18.5	11.6	7.48	6.33	3.42

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

FV/Time	30min	1h	2h	3h	5h	8h	10h	20h
1.60V	144	89.8	51.5	38.9	24.5	15.7	13.1	7.03
1.65V	142	89.0	51.4	38.4	24.3	15.5	12.9	7.00
1.70V	142	88.3	51.2	38.2	24.2	15.5	12.8	6.96
1.75V	142	87.5	50.9	37.9	24.0	15.4	12.7	6.93
1.80V	138	86.7	50.7	37.9	23.7	15.2	12.6	6.90
1.85V	126	80.4	48.5	36.0	22.6	14.7	12.3	6.83