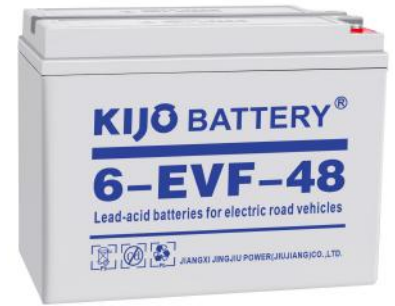


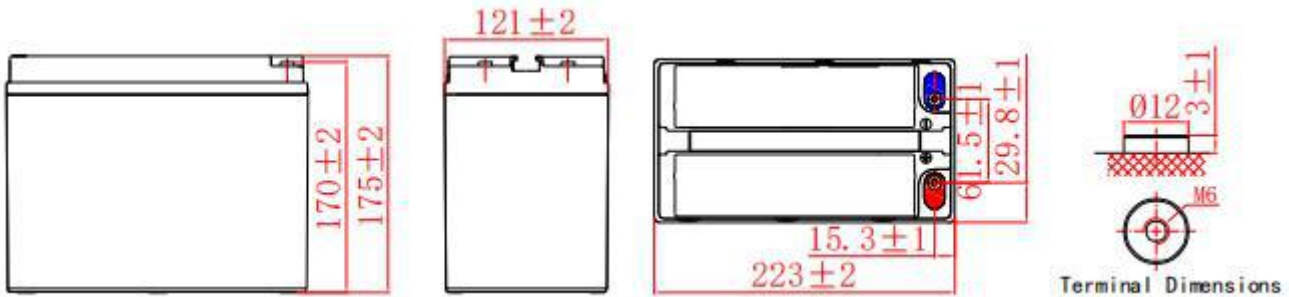
General Features

- ▶ 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: 223(L) × 121(W) × 175(H) × 175(TH)

Unit: mm



Specification	
Nominal Voltage	12V
Nominal Capacity	48Ah
Design life	5 years
Terminal	M6
Approx. Weight	Approx 13.0kg (28.7lbs)
Container Material	ABS
Self discharge	3% of capacity declined per month at 25°C
Rated Capacity	
20Hour Rate (2.80A to 10.5V)	56.0Ah
3Hour Rate (16.0A to 10.5V)	48.0Ah
1Hour Rate (36.5A to 10.5V)	36.5Ah
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	7.2A
Float Use:	13.7-13.9V@25
Cycle Use :	14.7-14.9V,@25

Standards

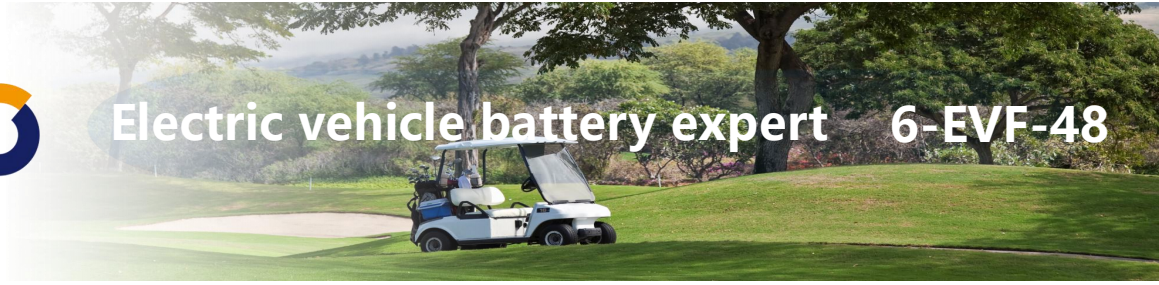
Executive standard :GB/T32620-2016

Applications

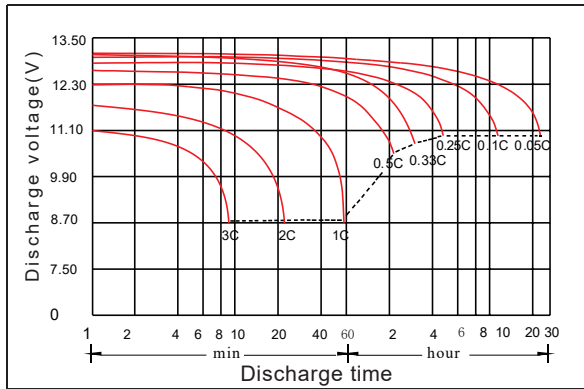
- ▶ Electric vehicle
- ▶ Electric wheelchair
- ▶ Electric scooter
- ▶ Electric play car for children
- ▶ Garbage truck
- ▶ Patrol car

Attain Certificate

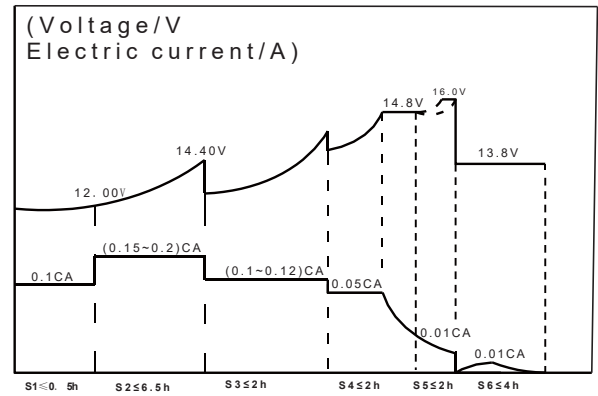




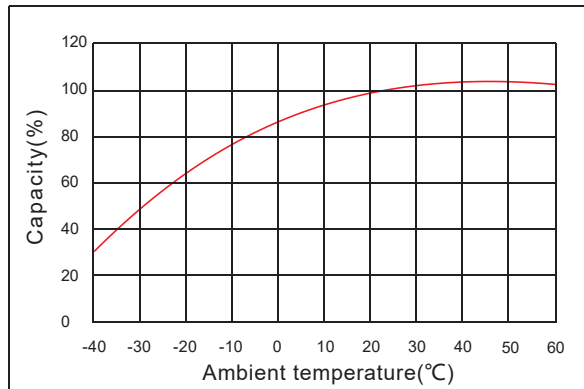
Discharge characteristic



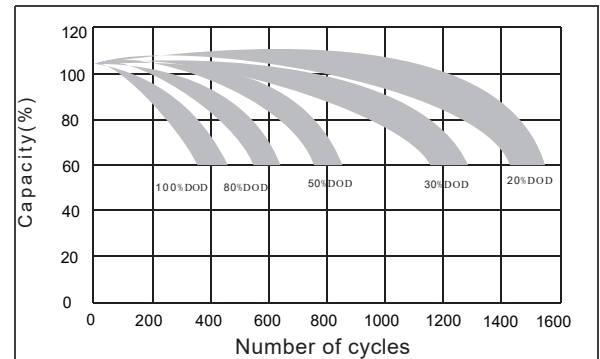
Charging characteristic



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	56.6	37.6	22.7	16.6	10.3	6.35	5.35	2.86
1.65V	55.5	37.3	22.5	16.5	10.2	6.29	5.30	2.84
1.70V	54.4	37.1	22.3	16.2	10.1	6.24	5.25	2.82
1.75V	54.0	36.5	22.0	16.0	10.0	6.18	5.20	2.80
1.80V	51.7	35.6	21.6	15.9	9.76	6.18	5.15	2.78
1.85V	47.1	33.0	20.5	15.0	9.27	5.89	4.99	2.74

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

FV/Time	30min	1h	2h	3h	5h	8h	10h	20h
1.60V	102	71.3	42.8	31.6	19.6	12.4	10.3	5.62
1.65V	101	70.6	42.6	31.2	19.5	12.2	10.2	5.60
1.70V	101	70.0	42.5	31.0	19.3	12.2	10.1	5.56
1.75V	101	69.4	42.2	30.8	19.2	12.1	10.0	5.54
1.80V	98.0	68.8	42.1	30.7	19.0	12.0	9.90	5.52
1.85V	89.8	63.8	40.2	29.2	18.1	11.6	9.72	5.46