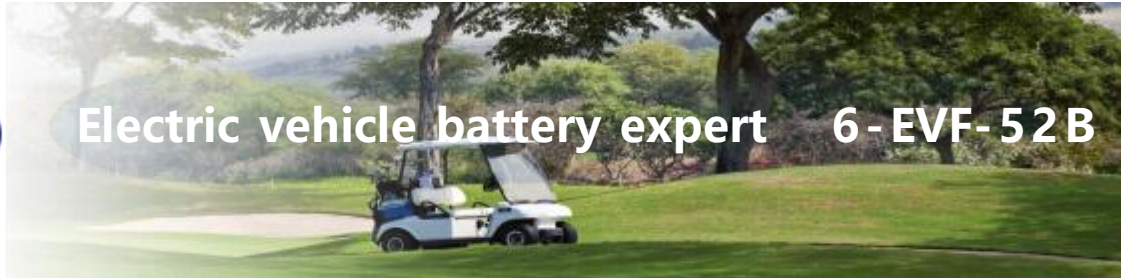




Electric vehicle battery expert 6-EVF-52B



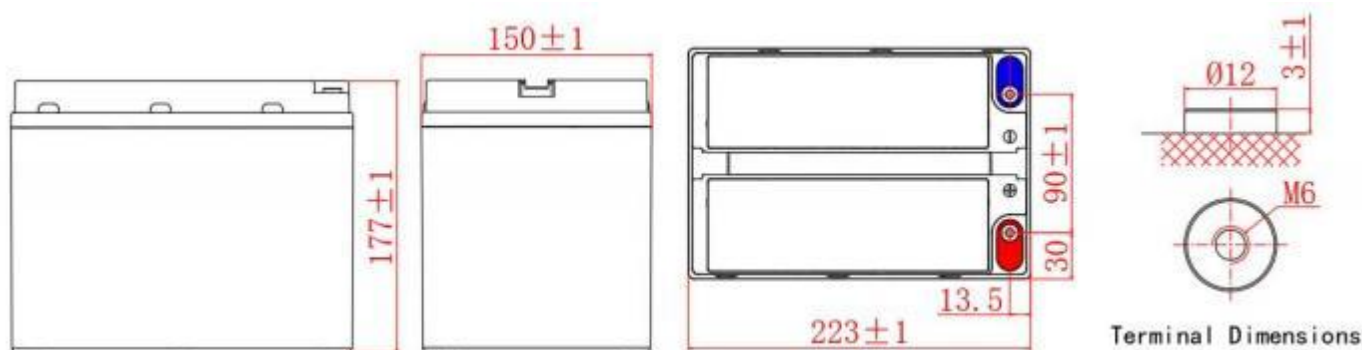
General Features

- 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)×150(W) ×177(H)×177(TH)

Unit: mm



Terminal Dimensions

Specification	
Nominal Voltage	12V
Nominal Capacity(3hr)	52Ah
Design life	5 years
Terminal	M6
Approx. Weight	Approx14.7kg±3% (32.4lbs±3%)
Container Material	ABS
Self discharge	3% of capacity declined per month at 25°C
Rated Capacity	
10Hour Rate (6.03A to 10.5V)	60.3Ah
3Hour Rate (17.33A to 10.5V)	52.0Ah
1Hour Rate (42.06A to 10.5V)	42.1Ah
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	11.6A
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

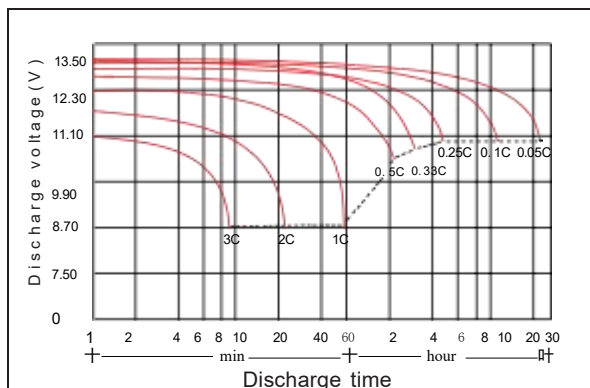
Attain Certificate



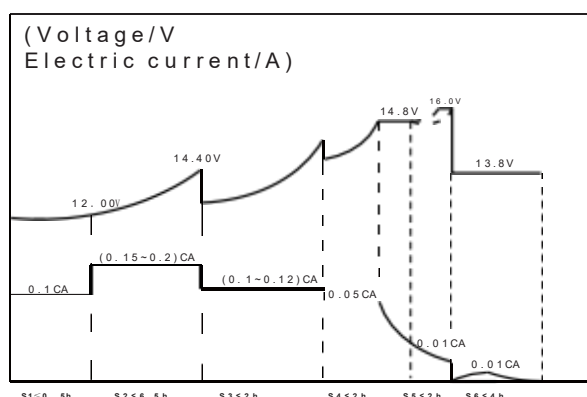
Disclaimer: Manufacturers have the right to self-modify the parameters of the product updates, please keep in touch with manufacturers to obtain the latest information.



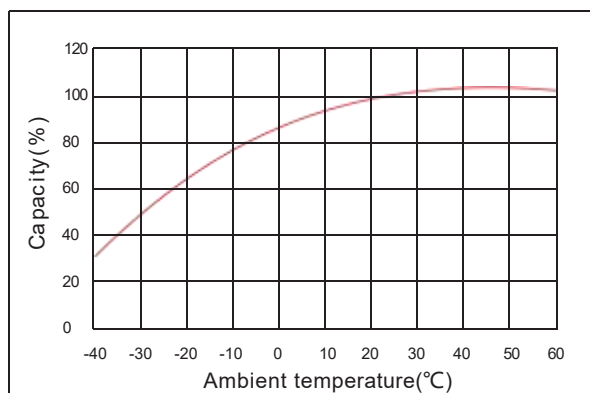
Discharge characteristic



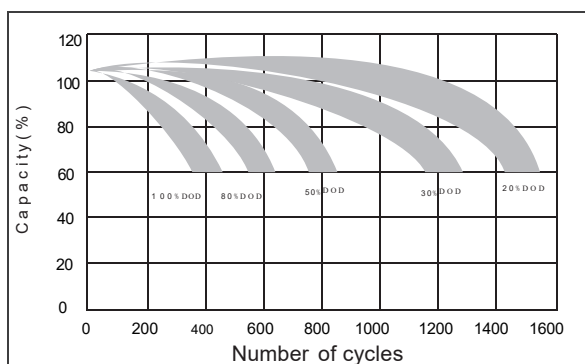
Charging characteristic



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	69.12	43.52	25.97	18.19	11.70	7.37	6.21	3.26
1.65V	68.02	43.15	25.78	18.10	11.61	7.32	6.16	3.25
1.70V	66.56	42.79	25.60	17.83	11.43	7.24	6.12	3.22
1.75V	65.83	42.06	25.14	17.33	11.34	7.20	6.03	3.20
1.80V	62.90	40.96	24.69	16.98	11.06	7.16	5.95	3.15
1.85V	57.42	38.13	23.50	16.55	10.51	6.81	5.78	3.11

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

FV/Time	30min	1h	2h	3h	5h	8h	10h	20h
1.60V	125.26	82.38	49.01	34.65	22.22	14.35	11.98	6.45
1.65V	124.34	81.28	48.64	34.29	22.03	14.17	11.79	6.40
1.70V	123.43	80.91	48.64	34.19	21.76	14.17	11.70	6.35
1.75V	122.51	79.82	48.18	33.19	21.76	14.08	11.61	6.32
1.80V	119.77	79.09	48.18	32.72	21.58	13.90	11.43	6.32
1.85V	109.71	73.78	46.08	32.09	20.48	13.53	11.34	6.24