



Electric vehicle battery expert 6-EVF-77L



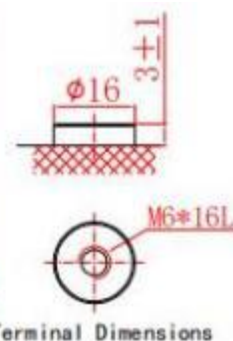
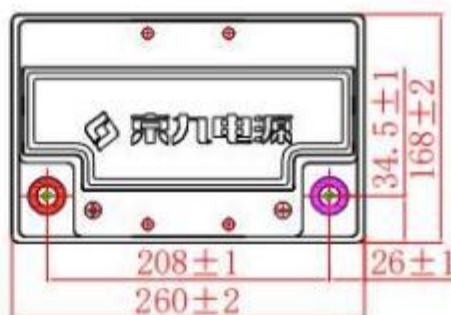
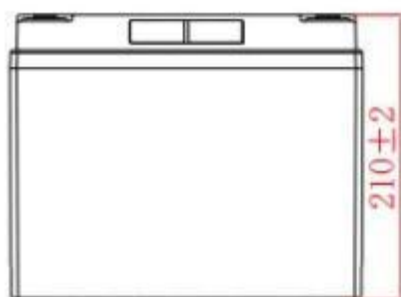
General Features

- 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:260(L)×168(W) ×210(H)×210(TH)/(±3)

Unit: mm



Terminal Dimensions

Specification	
Nominal Voltage	12V
Nominal Capacity	77Ah@3Hour-rate to 1.75V per cell @25℃
Design life	5 years
Terminal	M6
Approx. Weight	Approx. 24.8kg±3% (54.67lbs±3%)
Container Material	ABS
Self discharge	3% of capacity declined per month at 25℃
Rated Capacity	
20Hour Rate (4.80A to 10.5V)	96.0Ah
5Hour Rate (16.8A to 10.5V)	84.0Ah
3Hour Rate (25.7A to 10.5V)	77.0Ah
Operating Temperature	
Discharge:	-20 ~50℃(-4~ 122°F)
Charge :	-20 ~50℃(-4~ 122°F)
Storage:	-20 ~50℃(-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

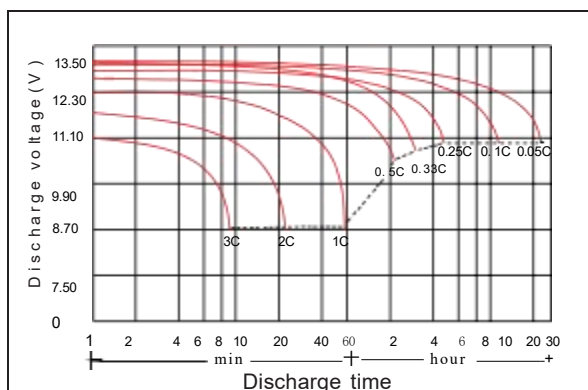
Attain Certificate



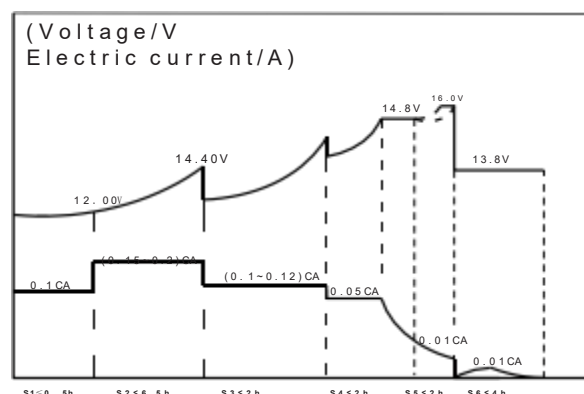
Disclaimer: Manufacturers have the right to self-modify the parameters of the product updates, please keep in touch with manufacturers to obtain the latest information.



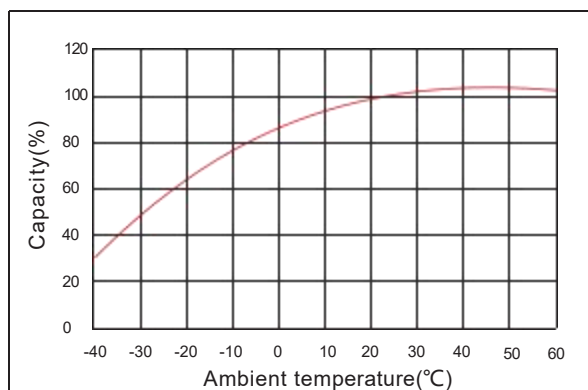
Discharge characteristic



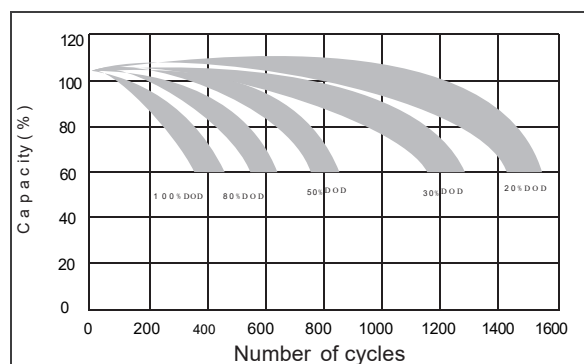
Charging characteristic



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	107	65.8	35.5	26.6	17.3	11.0	9.27	4.86
1.65V	105	65.4	35.4	26.5	17.2	10.9	9.18	4.85
1.70V	103	65.0	35.0	26.0	17.1	10.8	9.09	4.83
1.75V	102	64.0	34.5	25.7	16.8	10.7	9.00	4.80
1.80V	97.6	62.3	33.9	25.6	16.4	10.6	8.91	4.77
1.85V	89.1	57.8	32.1	24.2	15.5	10.2	8.65	4.68

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

FV/Time	30min	1h	2h	3h	5h	8h	10h	20h
1.60V	194	125	67.1	50.8	32.8	21.4	17.9	9.64
1.65V	192	124	66.9	50.1	32.7	21.2	17.6	9.60
1.70V	191	123	66.6	49.9	32.4	21.1	17.5	9.55
1.75V	190	122	66.2	49.5	32.3	21.0	16.4	9.51
1.80V	186	121	66.0	49.3	31.9	20.8	17.1	9.46
1.85V	170	118	63.1	46.9	30.4	20.2	16.9	9.37