



Electric vehicle battery expert 6-EVF-72L



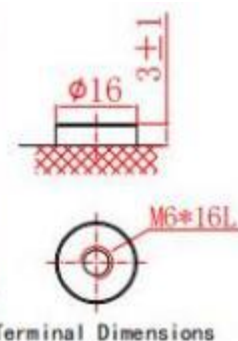
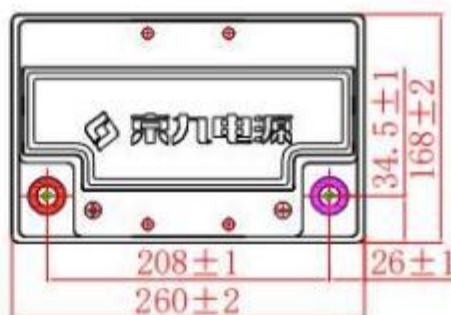
General Features

- 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	72Ah@3Hour-rate to 1.75V per cell @25℃
Design life	5 years
Terminal	M6
Approx. Weight	Approx. 23.5kg±3% (51.81lbs±3%)
Container Material	ABS
Self discharge	3% of capacity declined per month at 25℃
Rated Capacity	
20Hour Rate (4.50A to 10.5V)	90.0Ah
5Hour Rate (16.0A to 10.5V)	80.0Ah
3Hour Rate (24.0A to 10.5V)	72.0Ah
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	10.8A
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

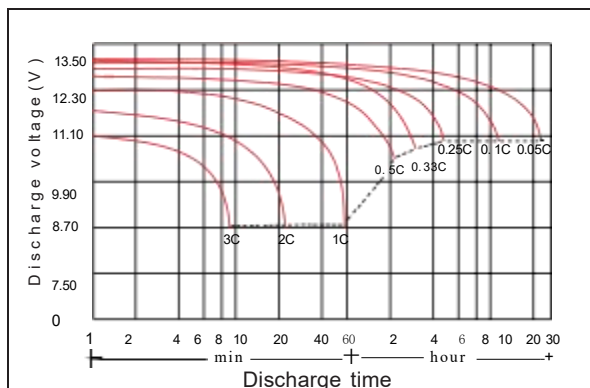
Attain Certificate



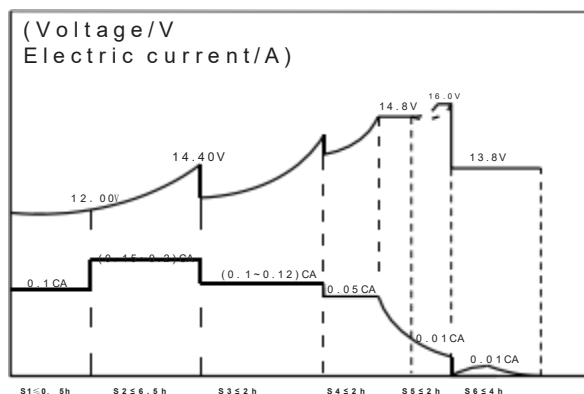
Disclaimer: Manufacturers have the right to self-modify the parameters of the product updates, please keep in touch with manufacturers to obtain the latest information.



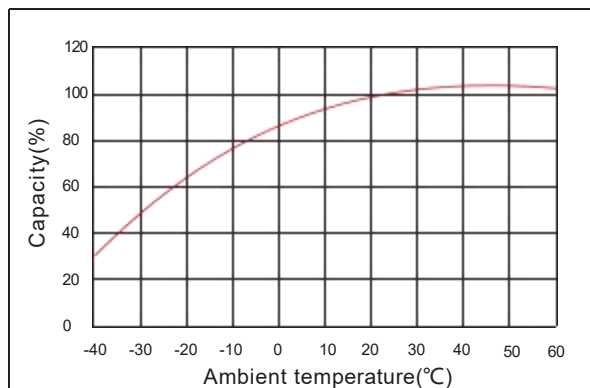
Discharge characteristic



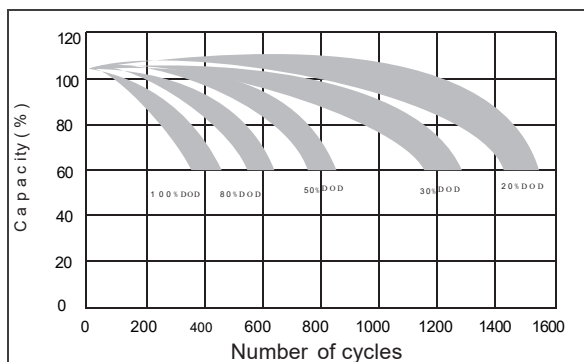
Charging characteristic



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	101	61.7	33.5	24.9	16.5	10.4	8.75	4.57
1.65V	98.7	61.3	33.3	24.7	16.4	10.3	8.67	4.55
1.70V	96.8	60.9	33.0	24.3	16.2	10.2	8.58	4.52
1.75V	96.0	60.0	32.5	24.0	16.0	10.1	8.50	4.50
1.80V	91.8	58.5	31.9	23.9	15.6	10.1	8.42	4.48
1.85V	83.8	54.2	30.3	22.5	14.8	9.63	8.16	4.40

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

FV/Time	30min	1h	2h	3h	5h	8h	10h	20h
1.60V	182	117	63.2	47.3	31.3	20.2	16.8	9.04
1.65V	180	116	63.0	46.8	31.1	20.0	16.6	9.00
1.70V	180	115	62.8	46.5	30.9	19.9	16.5	8.95
1.75V	179	114	62.4	46.2	30.7	19.8	16.4	8.92
1.80V	174	113	62.2	46.1	30.3	19.6	16.2	8.87
1.85V	160	105	59.4	43.9	29.0	19.0	15.9	8.79