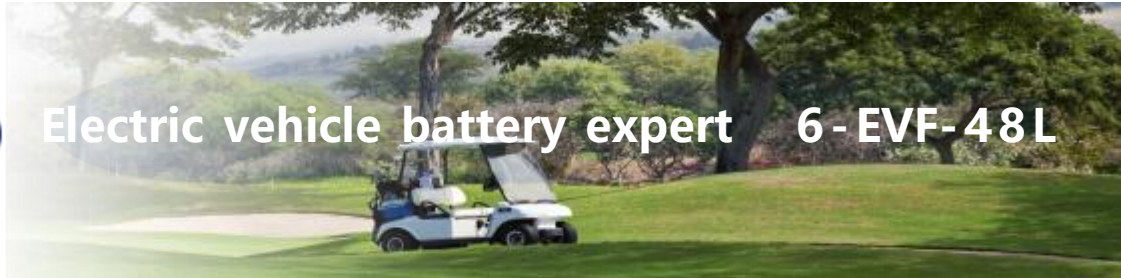




Electric vehicle battery expert 6-EVF-48L



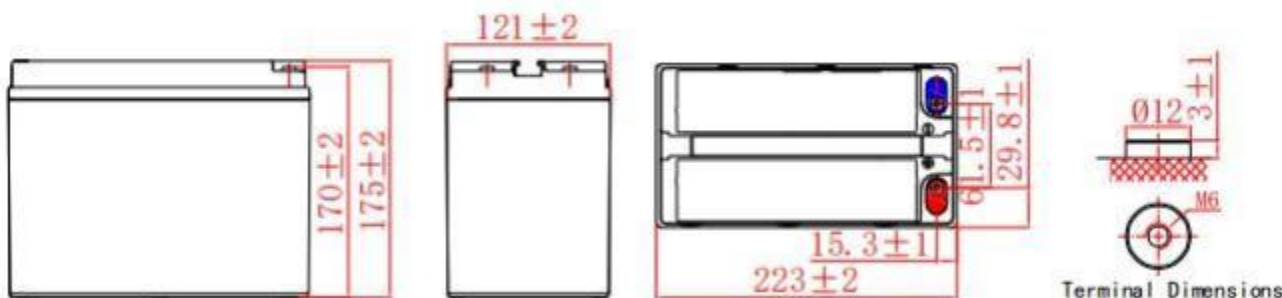
General Features

- 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@3Hour-rate to 1.75V per cell @25℃
Design life	5 years
Terminal	M6
Approx. Weight	Approx12.9kg±3% (28.44lbs±3%)
Container Material	ABS
Self discharge	3% of capacity declined per month at 25℃

Rated Capacity

20Hour Rate (2.90A to 10.5V)	58.0Ah
5Hour Rate (10.0A to 10.5V)	50.0Ah
3Hour Rate (16A to 10.5V)	48.0Ah

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	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



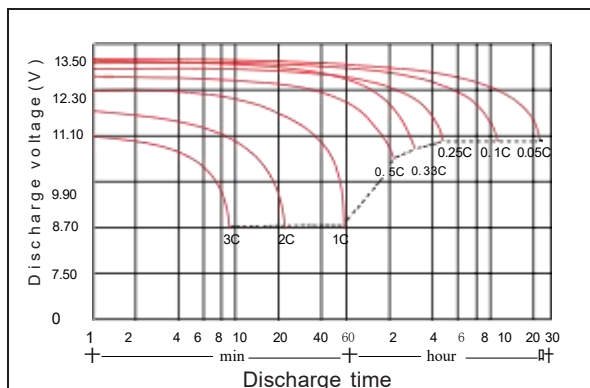
Disclaimer: Manufacturers have the right to self-modify the parameters of the product updates, please keep in touch with manufacturers to obtain the latest information.



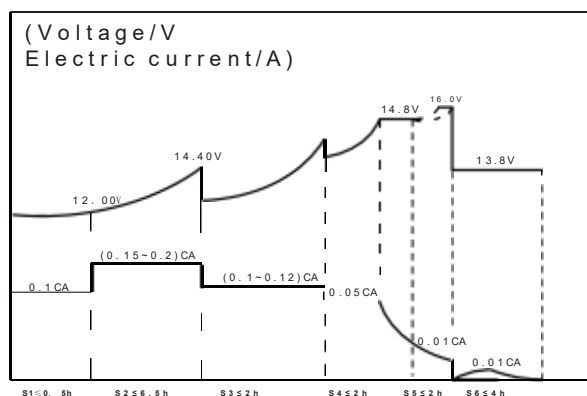
Electric vehicle battery expert 6 - EVF-48L



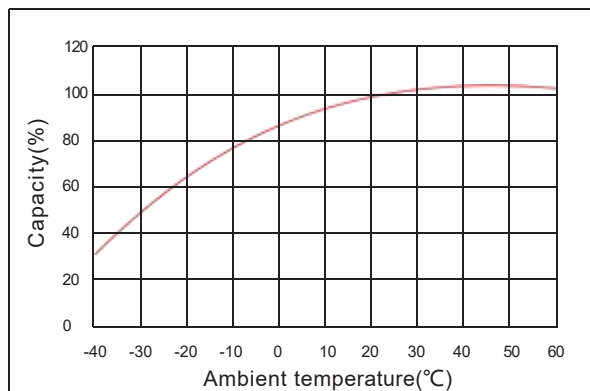
Discharge characteristic



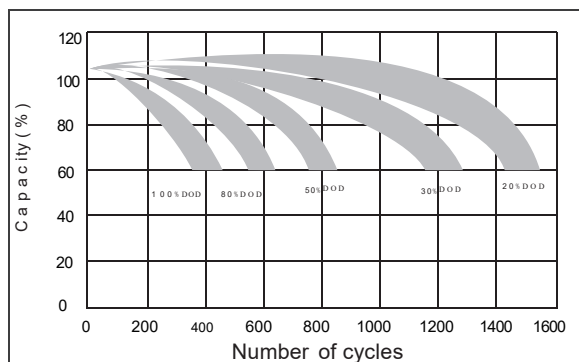
Charging characteristic



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	6.55	5.35	2.96
1.65V	55.5	37.3	22.5	16.5	10.2	6.49	5.30	2.94
1.70V	54.4	37.1	22.3	16.2	10.1	6.44	5.25	2.92
1.75V	54	36.5	22	16	10	6.38	5.20	2.90
1.80V	51.7	35.6	21.6	15.9	9.76	6.38	5.15	2.88
1.85V	47.1	33	20.5	15	9.27	6.08	4.99	2.84

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

FV/Time	30min	1h	2h	3h	5h	8h	10h	20h
1.60V	104.7	71.4	43.6	31.9	19.8	12.58	10.27	5.69
1.65V	102.7	70.9	43.2	31.7	19.6	12.46	10.18	5.65
1.70V	100.6	70.5	42.8	31.1	19.4	12.36	10.08	5.61
1.75V	99.9	69.4	42.2	30.7	19.2	12.24	9.98	5.57
1.80V	95.6	67.6	41.5	30.5	18.7	12.24	9.89	5.53
1.85V	87.1	62.7	39.4	28.8	17.8	11.67	9.58	5.45