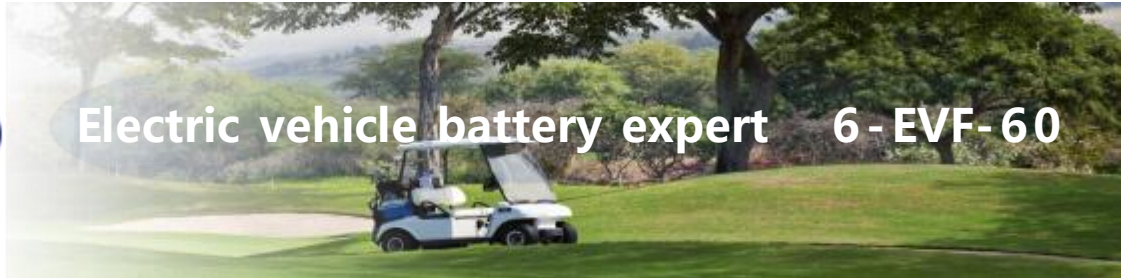




Electric vehicle battery expert 6 - EVF-60



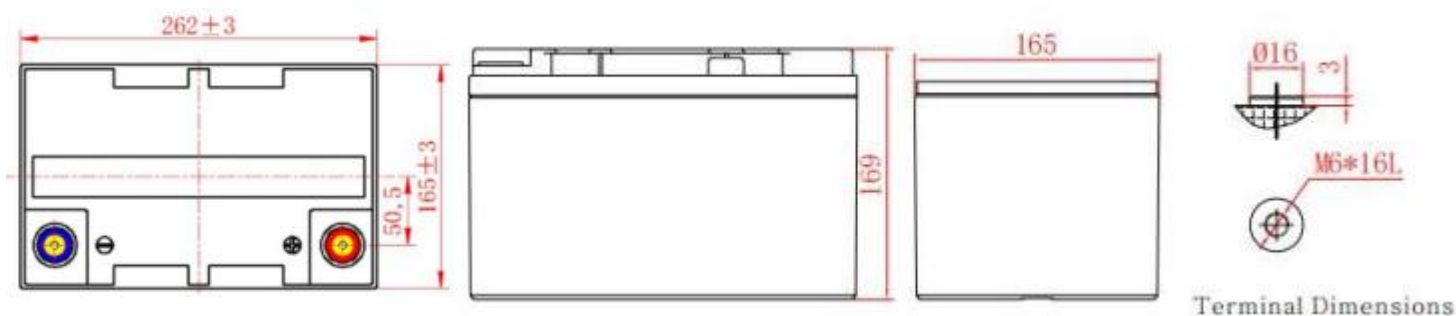
General Features

- 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:262(L)×165(W) ×169(H)×169(TH)/(±3)

Unit: mm



Specification	
Nominal Voltage	12V
Nominal Capacity	60Ah@3Hour-rate to 1.75V pre cell @25℃
Design life	5 years
Terminal	M6
Approx. Weight	Approx.19.5kg ±3%(43.0lbs±3%)
Container Material	ABS
Self discharge	3% of capacity declined per month at 25℃
Rated Capacity	
20Hour Rate (3.75A to 10.5V)	75.0Ah
5Hour Rate (13.0A to 10.5V)	65.0Ah
3Hour Rate (20.0A to 10.5V)	60.0Ah
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	9.0A
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



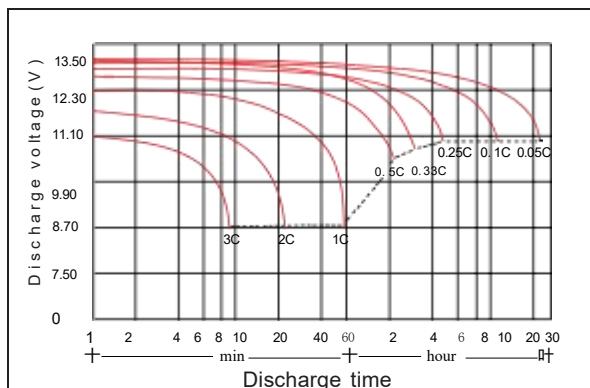
Disclaimer: Manufacturers have the right to self-modify the parameters of the product updates, please keep in touch with manufacturers to obtain the latest information.



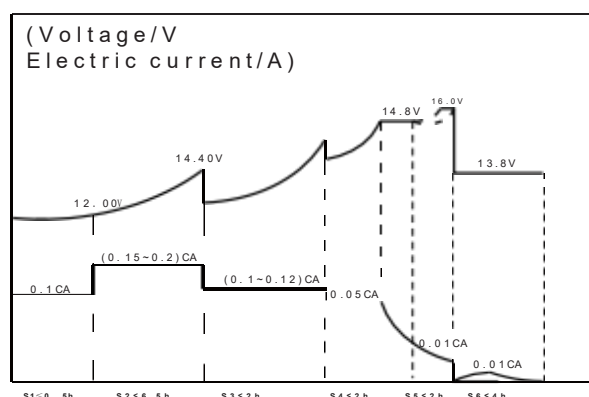
Electric vehicle battery expert 6 - EVF-60



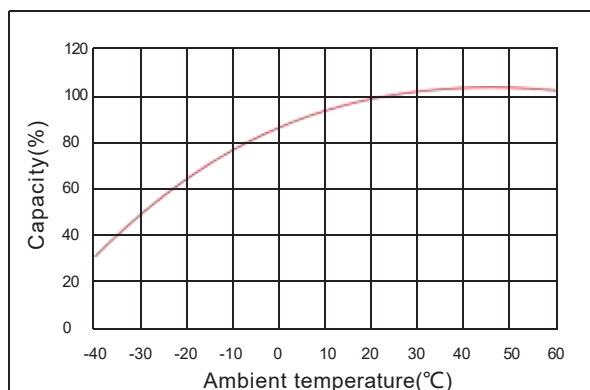
Discharge characteristic



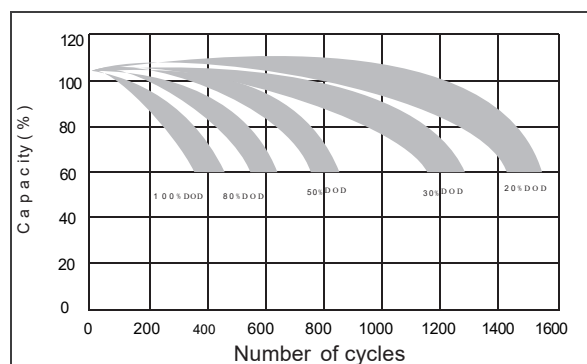
Charging characteristic



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	81.8	50.9	28.3	20.7	13.4	8.67	7.31	3.80
1.65V	80.2	50.6	28.2	20.6	13.3	8.59	7.24	3.79
1.70V	78.6	50.3	27.9	20.2	13.2	8.51	7.17	3.77
1.75V	78.0	49.5	27.5	20.0	13.0	8.44	7.10	3.75
1.80V	74.6	48.2	27.0	19.9	12.7	8.44	7.03	3.73
1.85V	68.1	44.7	25.6	18.8	12.0	8.05	6.82	3.66

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

FV/Time	30min	1h	2h	3h	5h	8h	10h	20h
1.60V	148.0	96.6	53.5	39.5	25.4	16.90	14.10	7.53
1.65V	146.0	95.8	53.3	39.0	25.3	16.70	13.90	7.50
1.70V	146.0	95.0	53.1	38.8	25.1	16.60	13.70	7.46
1.75V	145.0	94.1	52.8	38.5	25.0	16.60	13.70	7.43
1.80V	142.0	93.3	52.6	38.4	24.7	16.40	13.50	7.39
1.85V	130.0	86.6	50.3	36.5	23.5	15.90	13.30	7.32