



Electric vehicle battery expert 6-EVF-100L



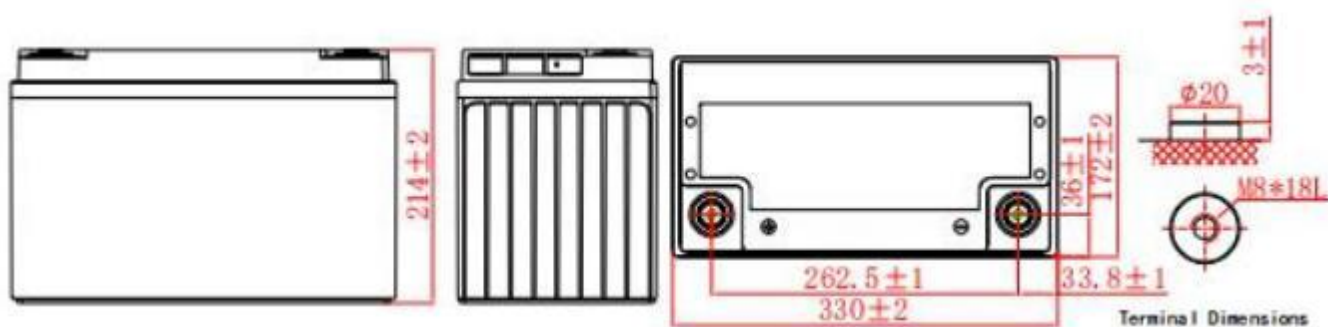
General Features

- 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:330(L)×172(W) ×214(H)×214(TH)/(±3)

Unit: mm



Specification

Nominal Voltage	12V
Nominal Capacity	100Ah@3Hour-rate to 1.75V per cell @25°C
Design life	5 years
Terminal	M8
Approx. Weight	Approx. 30.9kg±3% (68.12lbs±3%)
Container Material	ABS
Self discharge	3% of capacity declined per month at 25°C

Rated Capacity

20Hour Rate (6.25A to 10.5V)	125.0Ah
5Hour Rate (21.5A to 10.5V)	107.5Ah
3Hour Rate (33.4A to 10.5V)	100.0Ah

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	15.0A
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

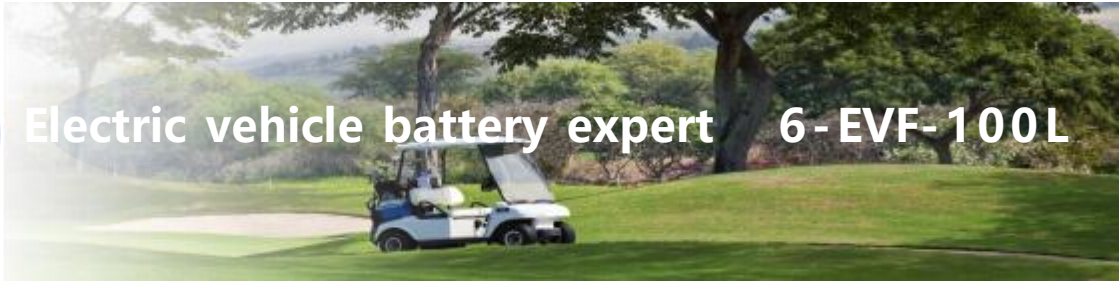
Attain Certificate



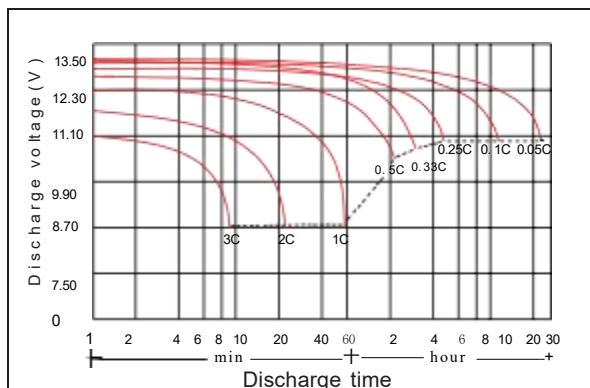
Disclaimer: Manufacturers have the right to self-modify the parameters of the product updates, please keep in touch with manufacturers to obtain the latest information.



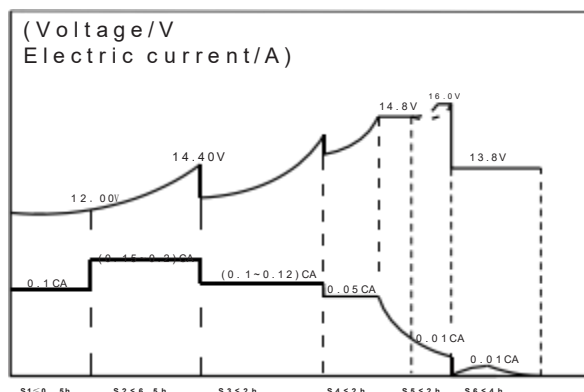
Electric vehicle battery expert 6-EVF-100L



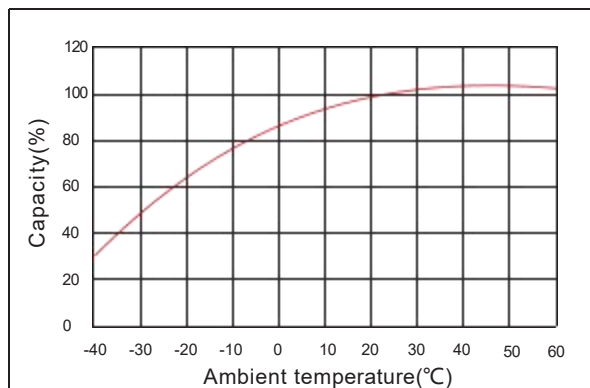
Discharge characteristic



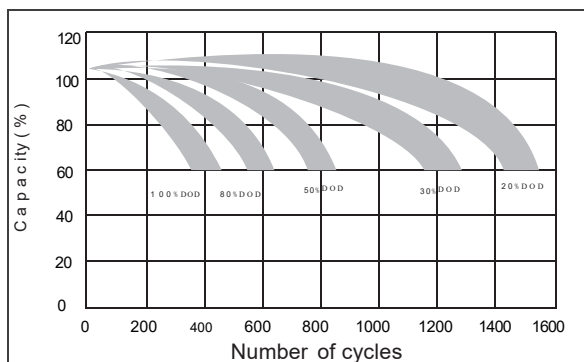
Charging characteristic



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	151	82.3	47.4	34.6	22.2	13.9	11.7	6.34
1.65V	148	81.8	47.1	34.4	22.0	13.8	11.6	6.31
1.70V	145	81.2	46.7	33.8	21.8	13.7	11.5	6.28
1.75V	144	80.0	46.0	33.4	21.5	13.5	11.4	6.25
1.80V	138	78.0	45.2	33.3	21.0	13.5	11.3	6.22
1.85V	126	72.3	42.9	31.3	19.9	12.9	10.9	6.11

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

FV/Time	30min	1h	2h	3h	5h	8h	10h	20h
1.60V	273	156	89.4	66.0	42.1	27.1	22.6	12.6
1.65V	270	155	89.1	65.2	41.8	26.8	22.3	12.5
1.70V	270	153	88.9	64.7	41.6	26.7	22.1	12.4
1.75V	269	152	88.3	64.3	41.3	26.6	21.9	12.4
1.80V	261	151	88.1	64.2	40.8	26.3	21.7	12.3
1.85V	240	140	84.1	61.0	38.9	25.5	21.3	12.2