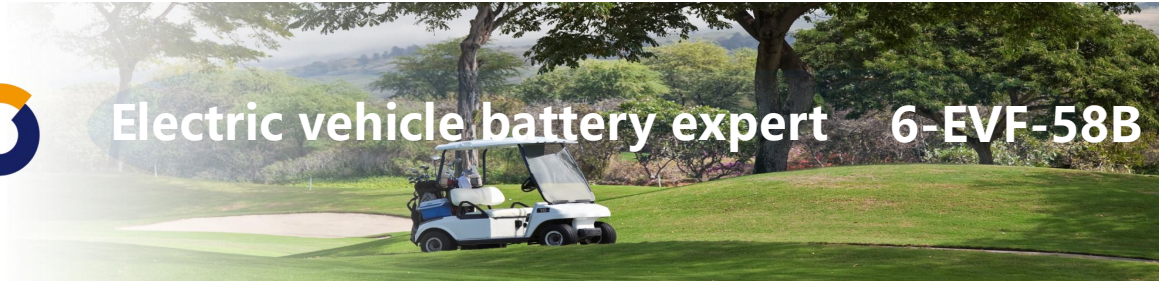




Electric vehicle battery expert 6-EVF-58B

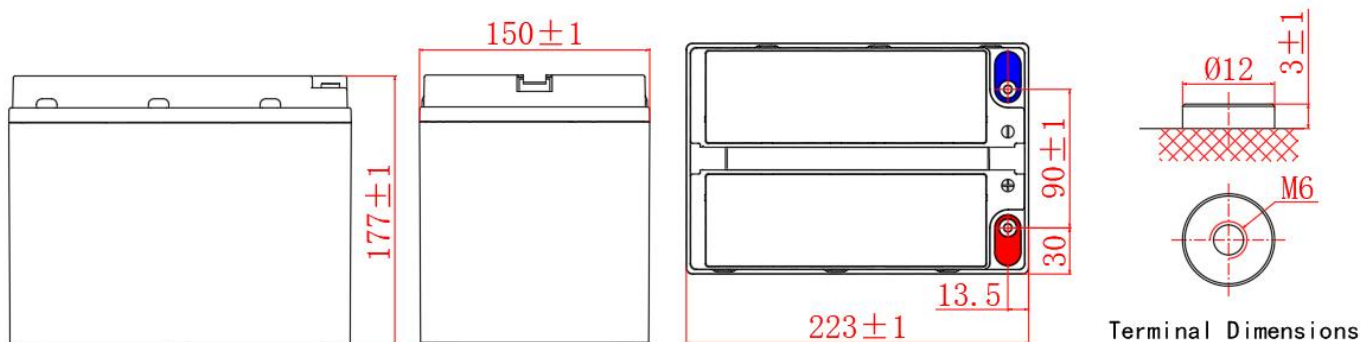


General Features

- 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) × 150(W) × 177(H) × 177(TH) / (±3) Unit: mm



Terminal Dimensions

Specification

Nominal Voltage	12V
Nominal Capacity(3hr)	58Ah@3Hour-rate to 1.75V per cell @25℃
Design life	5 years
Terminal	M6
Approx. Weight	Approx. 15.5kg ± 3%(34.17lbs ± 3%)
Container Material	ABS
Self discharge	3% of capacity declined per month at 25℃

Rated Capacity

20Hour Rate (3.50A to 10.5V)	70.0Ah
5Hour Rate (12.4A to 10.5V)	62.0Ah
3Hour Rate (19.4A to 10.5V)	58.0Ah

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

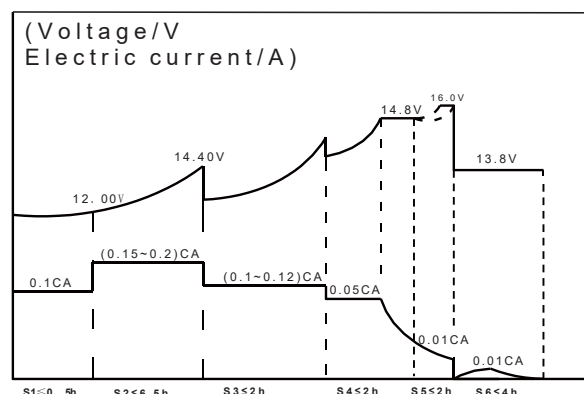
- Electric vehicle
- Electric wheelchair
- Electric scooter
- Electric play car for children
- Garbage truck
- Patrol car

Attain Certificate

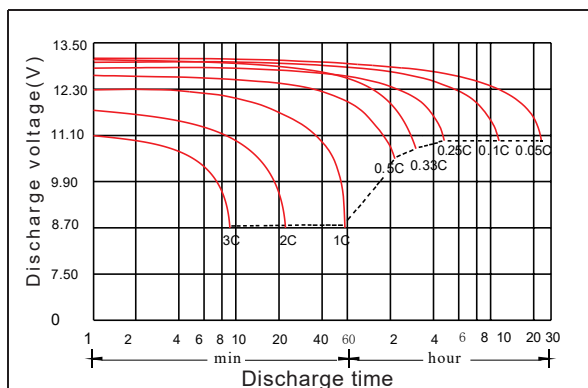


Disclaimer: Manufacturers have the right to self-modify the parameters of the product updates, please keep in touch with manufacturers to obtain the latest information.

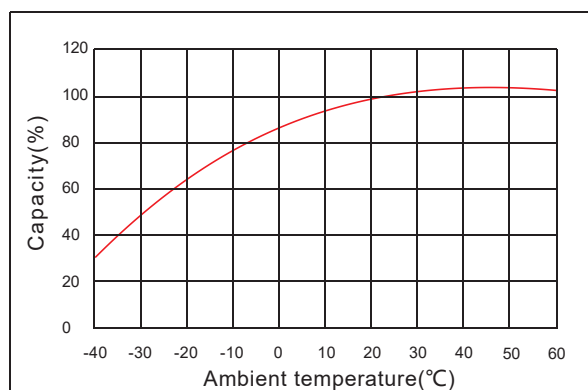
Charging characteristic



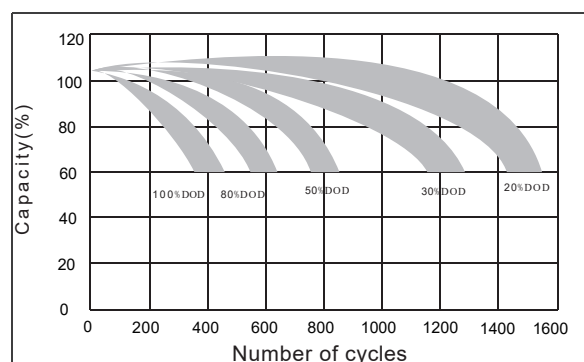
Discharge characteristic



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	5min	15min	30min	1h	2h	3h	5h	8h	10h	20h
1.60V	220	118	75.6	47.6	28.4	19.9	12.8	8.06	6.79	3.57
1.65V	212	114	74.4	47.2	28.2	19.8	12.7	8.01	6.74	3.55
1.70V	205	112	72.8	46.8	28.0	19.5	12.5	7.92	6.69	3.52
1.75V	188	108	72.0	46.0	27.5	19.4	12.4	7.87	6.60	3.50
1.80V	169	101	68.8	44.8	27.0	19.2	12.1	7.83	6.51	3.45
1.85V	151	90.0	62.8	41.7	25.7	18.1	11.5	7.45	6.32	3.40

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

FV/Time	5min	15min	30min	1h	2h	3h	5h	8h	10h	20h
1.60V	368	207	137	90.1	53.6	37.9	24.3	15.7	13.1	7.05
1.65V	353	205	136	88.9	53.2	37.5	24.1	15.5	12.9	7.00
1.70V	351	202	135	88.5	53.2	37.4	23.8	15.5	12.8	6.95
1.75V	329	201	134	87.3	52.7	37.1	23.8	15.4	12.7	6.91
1.80V	302	190	131	86.5	52.7	37.0	23.6	15.2	12.5	6.91
1.85V	269	170	120	80.7	50.4	35.1	22.4	14.8	12.4	6.82