



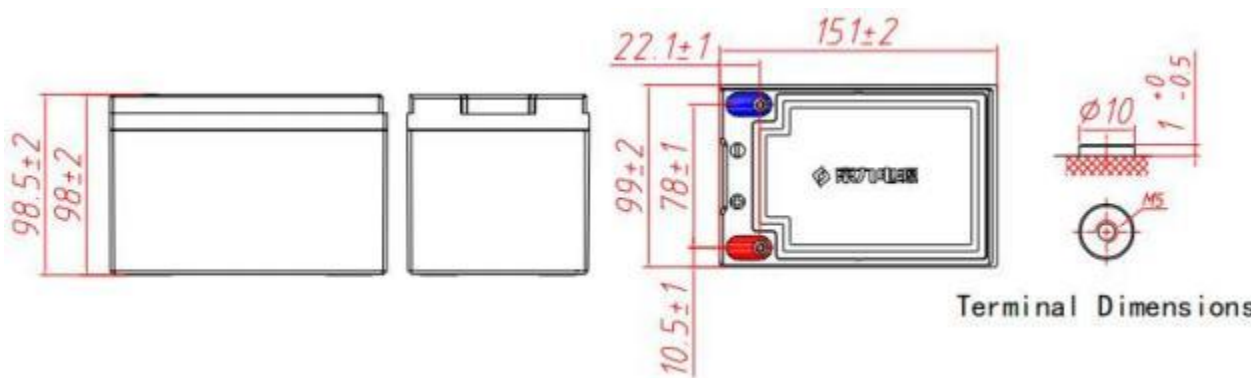
General Features

- 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:151(L)×99(W) ×98(H)×98.5(TH)/(±1)

Unit: mm



Specification

Nominal Voltage	12V
Nominal Capacity	12.0Ah@2Hour-rate to 1.75V per cell@25℃
Design life	5 years
Terminal	M5
Approx. Weight	Approx. 3.85kg±3% (8.49lbs±3%)
Container Material	ABS
Self discharge	3% of capacity declined per month at 25℃

Rated Capacity

20Hour Rate (0.76A to 10.5V)	15.2Ah
5Hour Rate (2.60A to 10.5V)	13.0Ah
2Hour Rate (6.0A to 10.5V)	12.0Ah

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	1.8A
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

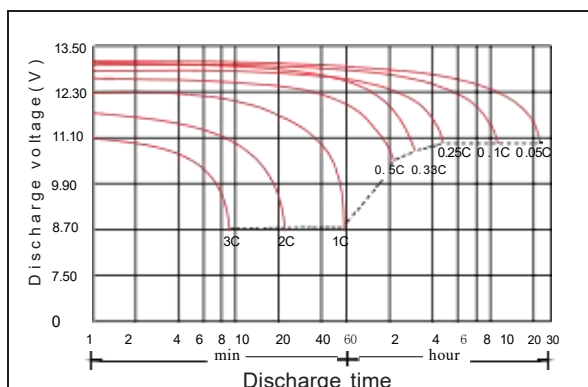




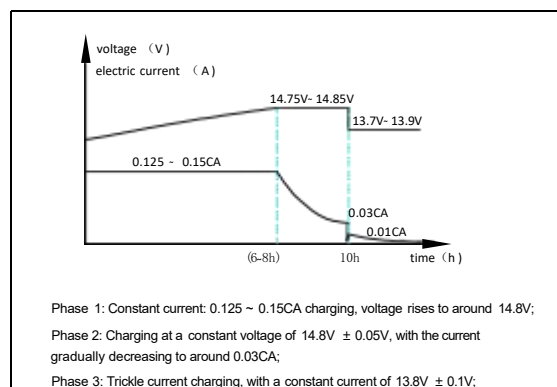
Electric vehicle battery expert 6-DZF-12L



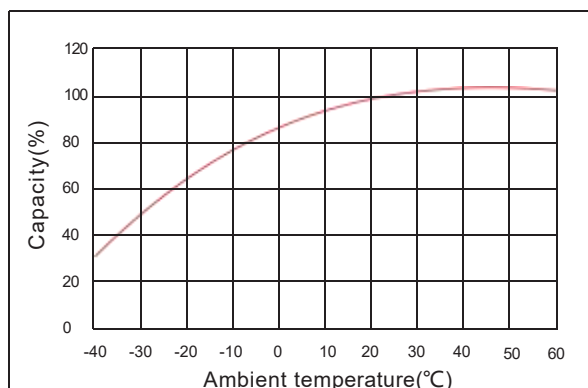
Discharge characteristic



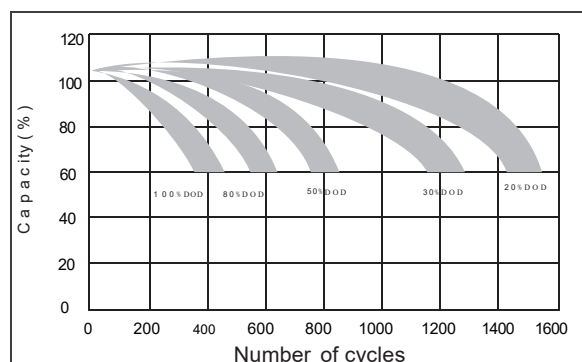
Charging characteristic



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	18.9	12.2	6.20	4.31	2.68	1.710	1.440	0.776
1.65V	18.6	12.1	6.15	4.27	2.67	1.700	1.430	0.770
1.70V	18.2	12.0	6.10	4.21	2.63	1.680	1.420	0.765
1.75V	18.0	11.8	6.00	4.20	2.60	1.670	1.400	0.760
1.80V	17.2	11.5	5.90	4.16	2.54	1.660	1.380	0.750
1.85V	15.7	10.7	5.60	3.91	2.41	1.580	1.340	0.739

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

FV/Time	30min	1h	2h	3h	5h	8h	10h	20h
1.60V	35.0	23.2	11.90	8.28	5.15	3.283	2.765	1.490
1.65V	34.4	23.0	11.81	8.20	5.13	3.264	2.746	1.478
1.70V	33.7	22.8	11.71	8.08	5.05	3.226	2.726	1.469
1.75V	33.3	22.4	11.52	8.06	4.99	3.206	2.688	1.459
1.80V	31.8	21.9	11.33	7.99	4.88	3.187	2.650	1.440
1.85V	29.0	20.3	10.75	7.51	4.63	3.034	2.573	1.419