



Electric vehicle battery expert

6-DZF-12.9L



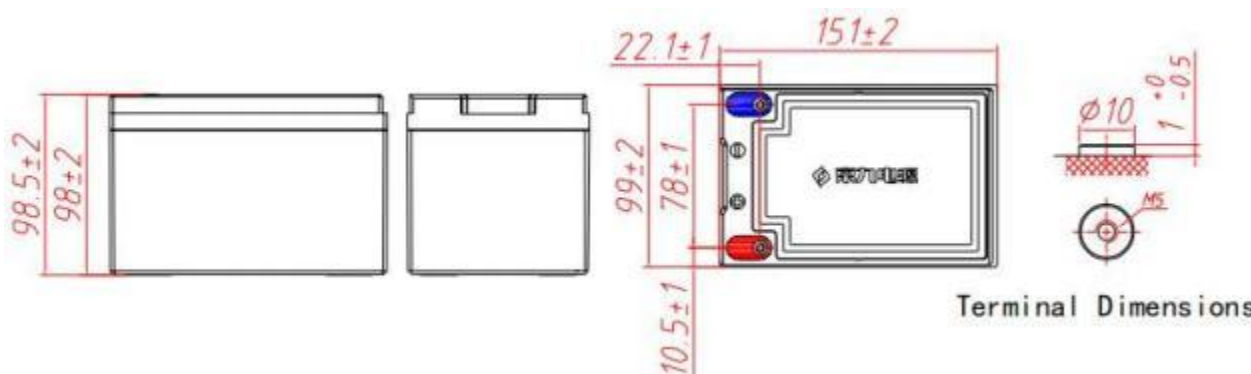
General Features

- 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)

Unit: mm



Terminal Dimensions

Specification

Nominal Voltage	12V
Nominal Capacity	12.9Ah@2Hour-rate to 1.75V per cell @25℃
Design life	5 years
Terminal	M5
Approx. Weight	Approx. 3.95kg±3% (8.71lbs±3%)
Container Material	ABS
Self discharge	3% of capacity declined per month at 25℃

Rated Capacity

20Hour Rate (0.78A to 10.5V)	15.6Ah
5Hour Rate (2.7A to 10.5V)	13.5Ah
2Hour Rate (6.45A to 10.5V)	12.9Ah

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	1.94A
Float Use:	13.7-13.9V@25
Cycle Use :	14.7-14.9V,@25

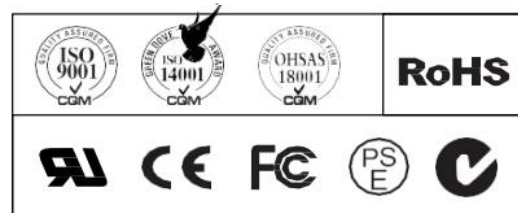
Standards

Executive standard :T/ZJXDC 001-2021

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.

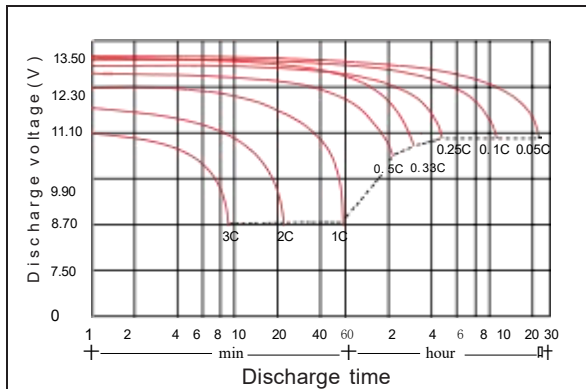


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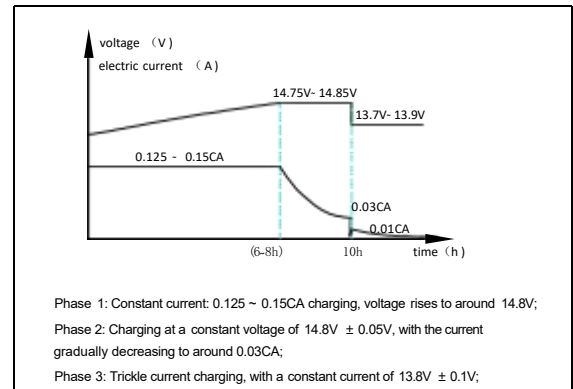
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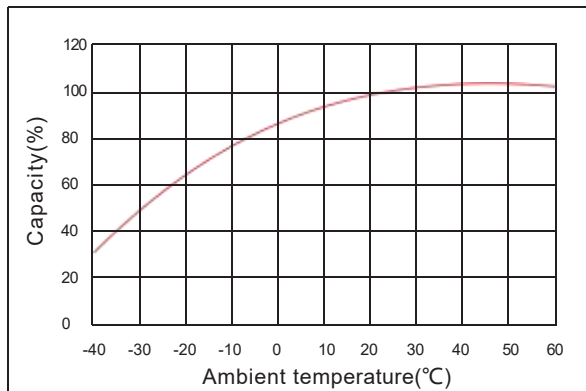
Discharge characteristic



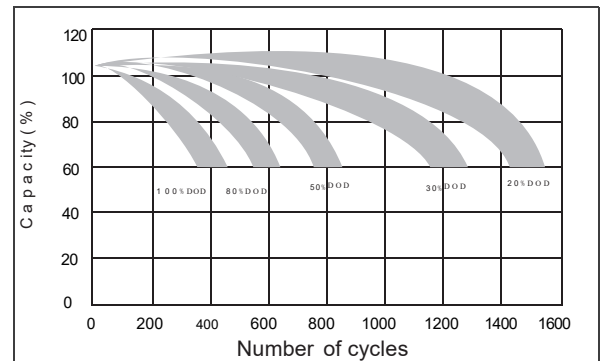
Charging characteristic



The effect of temperature on capacity



The effect of discharge depth on cycle life



Constant Current Discharge Characteristics Unit: A (25 $^{\circ}$ C, 77 $^{\circ}$ F)

FV/Time	30min	1h	2h	3h	5h	8h	10h	20h
1.60V	19.4	12.2	6.64	4.56	2.78	1.730	1.460	0.812
1.65V	19.0	12.2	6.60	4.53	2.77	1.720	1.450	0.808
1.70V	18.6	12.1	6.55	4.45	2.73	1.700	1.430	0.803
1.75V	18.5	11.9	6.45	4.40	2.70	1.690	1.420	0.780
1.80V	17.7	11.6	6.34	4.38	2.63	1.690	1.410	0.777
1.85V	16.2	10.7	6.01	4.13	2.50	1.610	1.360	0.762

Constant Power Discharge Characteristics Unit: W/cell (25 $^{\circ}$ C, 77 $^{\circ}$ F)

FV/Time	30min	1h	2h	3h	5h	8h	10h	20h
1.60V	35.1	23.2	12.50	8.69	5.28	3.370	2.810	1.610
1.65V	34.7	23.0	12.50	8.58	5.25	3.340	2.780	1.600
1.70V	34.7	22.8	12.50	8.53	5.22	3.330	2.750	1.590
1.75V	34.5	22.6	12.40	8.47	5.19	3.310	2.730	1.590
1.80V	33.6	22.4	12.30	8.46	5.12	3.280	2.700	1.580
1.85V	30.8	20.8	11.80	8.04	4.89	3.170	2.660	1.560