

## 6-DZF-7

### Applications

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

### 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
- > Excellent deep cycle discharge capability
- > Strong high and low temperature performance
- > Precision sealing technology

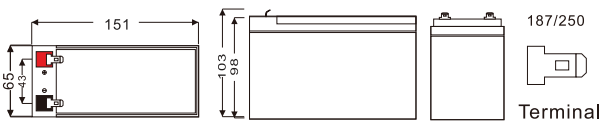


### Specification

Nominal Voltage	12V
Nominal Capacity	9Ah
Design life	5 years
Terminal	187/250
Approx. Weight	Approx 2.65kg (5.85lbs)
Container Material	ABS
Rated Capacity	5.94Ah 1Hour Rate (5.94A to 9.60V)
	6.99Ah 3Hour Rate (2.33A to 10.5V)
	9.00Ah 20Hour Rate (0.45A to 10.5V)
Internal resistance	Full charged at 25°C: 20.0 mΩ
Max. Discharge Current	135A(5S)
	Discharge: -20 ~50°C (-4 ~ 122°F)
Operating Temperature	Charge: -20 ~50°C (-4 ~ 122°F)
	Storage: -20 ~50°C (-4 ~ 122°F)
	Charge current: Max.2.25A ; Recom.0.90A
Float Charge voltage(-3mV/°C) :	
Charge Method (25 °C)	13.5-13.8V,recom.13.5V(Full floating system)
	13.5-13.8V,recom.13.62V(Cycle use system)
	Equalize charge:13.8-14.1V,recom.14.1V(-4mV/ °C)
Cycle charge:14.4-15.0V,recom.14.4V(-5mV/ °C)	
Self discharge	3% of capacity declined per month at 25°C



Dimension: 151(L)×65(W) ×98(H)×103(TH) Unit: mm



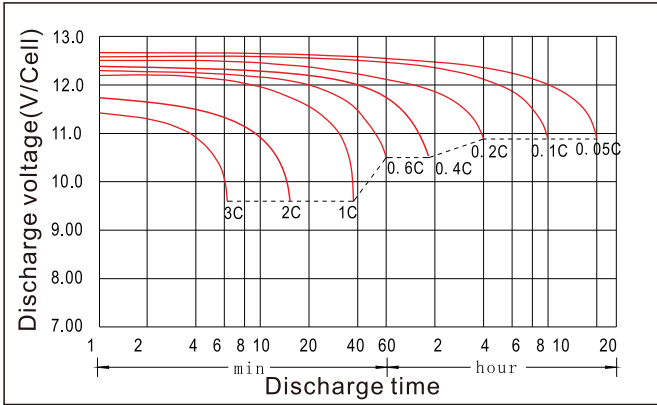
### Constant Current Discharge Characteristics Unit: A (25°C, 77°F)

FV/Time	5min	10min	15min	30min	1h	2h	3h	4h	5h	8h	10h	20h
1.60V	35.6	23.3	17.4	11.4	5.94	3.40	2.48	1.99	1.69	1.12	0.891	0.477
1.65V	35.4	22.3	15.9	10.8	5.58	3.27	2.41	1.93	1.66	1.10	0.882	0.468
1.70V	29.0	21.0	14.9	10.5	5.40	3.20	2.37	1.83	1.64	1.08	0.864	0.459
1.75V	26.9	20.0	13.9	10.2	5.21	3.12	2.33	1.80	1.57	1.05	0.846	0.450
1.80V	24.8	18.8	12.9	9.90	5.03	3.04	2.21	1.76	1.50	1.03	0.828	0.432

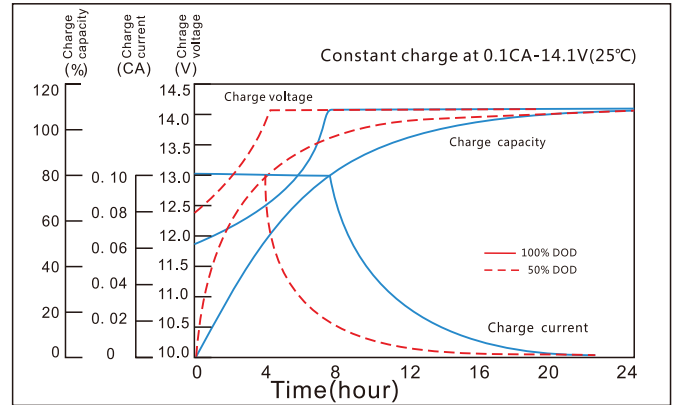
### Constant Power Discharge Characteristics Unit: W/cell(25°C, 77°F)

FV/Time	5min	10min	15min	30min	1h	2h	3h	4h	5h	8h	10h	20h
1.60V	66.9	42.0	31.8	19.2	10.9	6.38	4.70	3.77	3.20	2.11	1.73	0.945
1.65V	61.7	39.8	29.9	19.1	10.2	6.14	4.56	3.65	3.14	2.07	1.69	0.920
1.70V	56.4	38.6	28.5	19.0	9.93	6.02	4.49	3.47	3.05	2.05	1.68	0.912
1.75V	51.2	37.4	27.5	18.8	9.65	5.88	4.43	3.42	2.99	1.97	1.64	0.893
1.80V	45.9	36.2	26.3	18.7	9.51	5.84	4.31	3.39	2.91	1.90	1.61	0.887

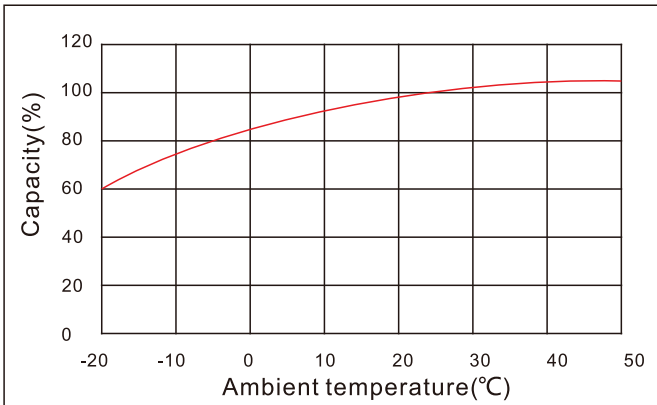
## Discharge characteristic



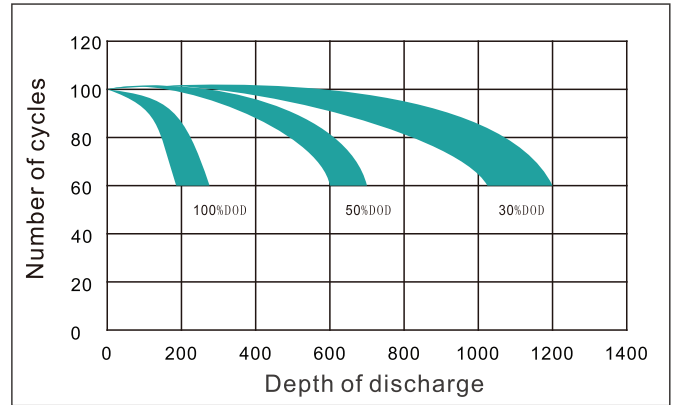
## Charging characteristic



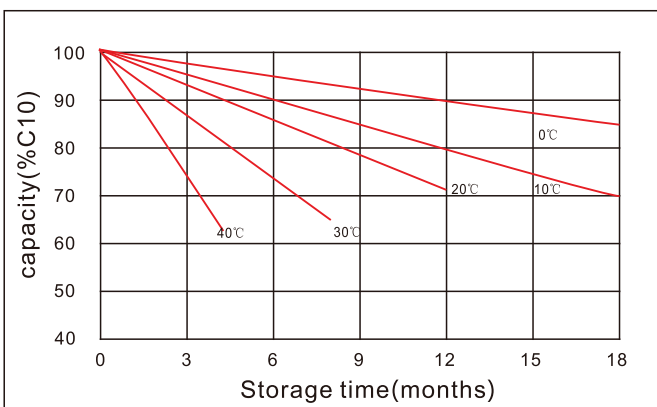
## The effect of temperature on capacity



## The impact of discharge depth on capacity



## Curves of self-discharge



## The effect of temperature on float life

