

**MODEL: 6-DZM-14(12V14Ah)**

**General Features**

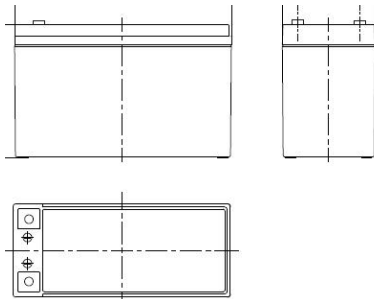
- High Corrosion Resistant Performance: Pb-Ca multi-alloy grid
- High Energy Density and Power Density
- Excellent Charge Acceptance Ability
- Strong High and Low Temperature Performance
- Optimized Capability of instant High-current Discharging
- Low self-discharge rate
- Excellent Deep Discharge Cycle Life
- The Designed Life is 5 Years

**Applications**

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

**Dimension and Weight**

Length	151±1.5mm
Width	99±1.5mm
Height	98±1.5mm
Total Height	98±1.5mm
Weight	4.35kg



**Product Specification**

Nominal Voltage:

12V

Rated Capacity:

10Hour Rate (1.87A to 10.5V)	18.7Ah
3Hour Rate (4.76A to 10.5V)	14.0Ah
1Hour Rate (10.2A to 10.5V)	10.2Ah

Self discharge Range:

3%/month(25°C)

Operating Temperature Range:

Discharge	-20°C~50°C(-4°F~122°F)
Charge	-20°C~50°C(-4°F~122°F)
Storage	-20°C~50°C(-4°F~122°F)

Charging Methods:

Floating Use	13.7V~13.9V(25°C)
Cycling Use	14.7V~14.9V(25°C)
Max Charge Current	2.1A

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

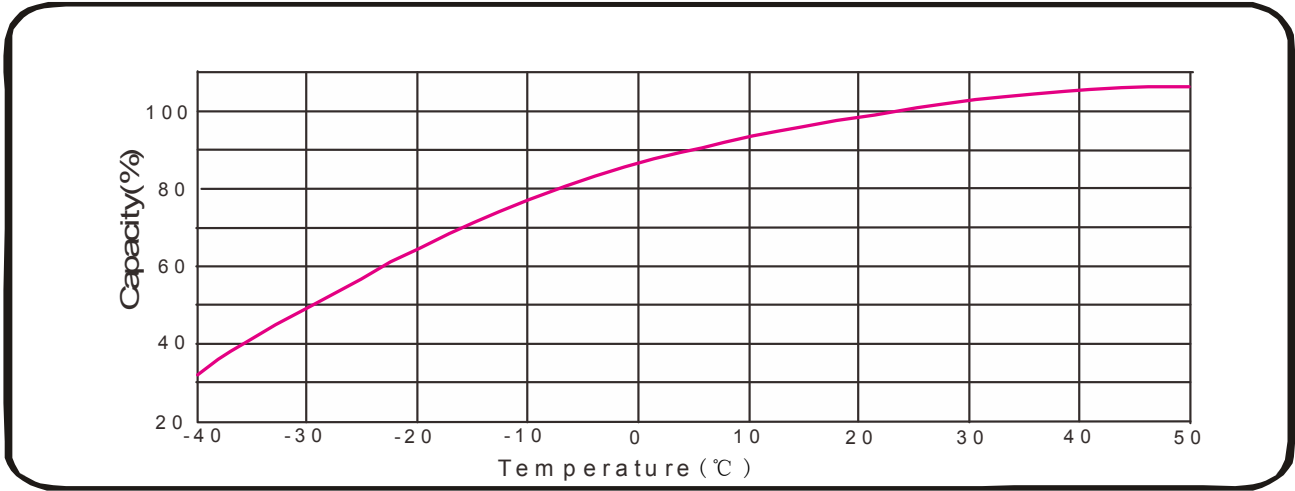
FV/Time	5M	15M	30M	1h	2h	3h	5h	8h	10h	20h
1.60V	54.4	26.3	17.1	10.6	6.18	4.80	3.21	2.24	1.90	1.05
1.65V	54.2	26.3	17.0	10.4	6.13	4.77	3.20	2.23	1.89	1.04
1.70V	53.8	26.2	16.9	10.4	6.09	4.76	3.19	2.22	1.88	1.03
1.75V	53.3	26.1	16.8	10.2	6.00	4.76	3.17	2.21	1.87	1.02
1.80V	48.9	24.4	16.2	9.78	5.16	4.71	3.15	2.16	1.80	0.955
1.85V	42.2	21.3	15.3	8.89	4.84	4.67	3.07	2.09	1.73	0.889

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

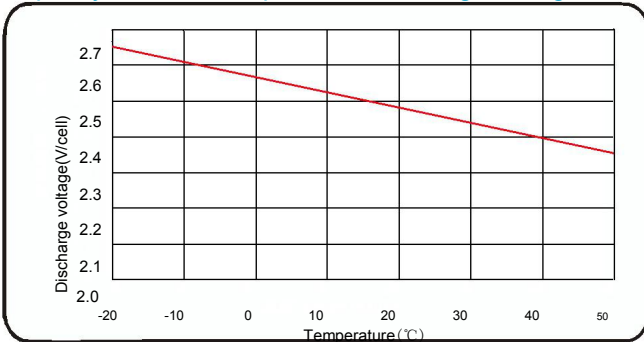
FV/Time	5M	15M	30M	1h	2h	3h	5h	8h	10h	20h
1.60V	107	52.0	33.5	20.4	11.8	9.33	6.27	4.35	3.67	2.02
1.65V	107	52.0	33.4	20.2	11.7	9.29	6.22	4.33	3.66	2.01
1.70V	107	52.0	33.2	20.1	11.7	9.29	6.22	4.32	3.65	2.00
1.75V	106	51.6	33.1	20.0	11.7	9.29	6.22	4.32	3.64	1.99
1.80V	97.8	48.9	32.2	19.3	10.2	6.98	6.18	4.24	3.55	1.88
1.85V	86.7	43.8	31.0	17.8	9.69	6.80	6.13	4.18	3.47	1.76

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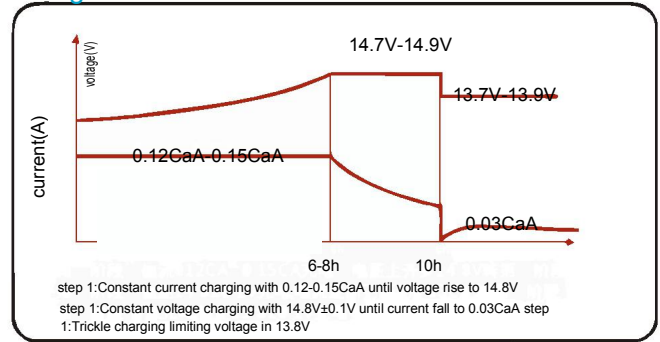
Effect of temperature on capacity



Capacity Effect of temperature on charge voltage



Charge Characteristic Curve



Cycle service life

