

MODEL : 6-DG-200型(12V140Ah)

General Features

- High Corrosion Resistant Performance
- High Energy Density and Power Density
- Excellent Charge Acceptance Ability
- Low self-discharge rate
- Strong High and Low Temperature Performance
- Optimized Capability of instant High-current Discharging
- Excellent Deep Discharge Cycle Life

Dimension and Weight

Length	362mm±1.5mm
Width	172mm±1.5mm
Height	285mm±1.5mm
Total Height	285mm±1.5mm
Weight	38.0kg

Applications

- electric vehicle
- Sightseeing car
- Golf cart
- Electric vehicle
- Garbage truck
- Patrol car

Product Specification

Nominal Voltage:

12V

Rated Capacity:

10Hour Rate (14.8A to 10.5V)	148Ah
5Hour Rate (28.0A to 10.5V)	140Ah
1Hour Rate (102A to 10.2V)	102Ah

Self discharge Rage:

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	21.0A

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

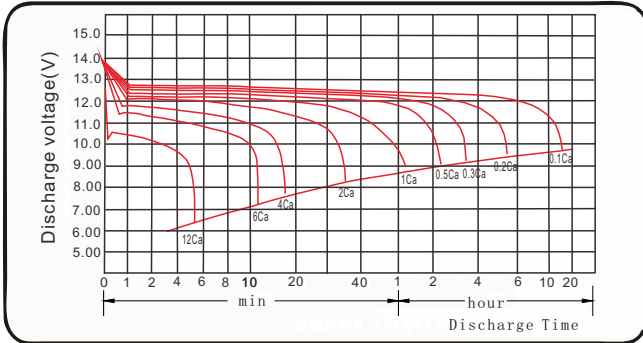
FV/Time	5M	15M	30M	1h	2h	3h	5h	8h	10h	20h
1.60V	542	291	177	104	59.4	44.0	28.9	19.0	15.2	8.00
1.65V	526	282	174	103	59.1	43.6	28.6	18.8	15.1	7.95
1.70V	505	276	171	102	58.6	42.9	28.3	18.7	14.9	7.91
1.75V	464	267	170	101	57.7	42.5	28.0	18.5	14.8	7.88
1.80V	416	249	162	98.1	56.7	42.2	27.3	18.4	14.7	7.84
1.85V	371	222	148	90.9	53.8	39.7	25.9	17.6	14.2	7.71

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

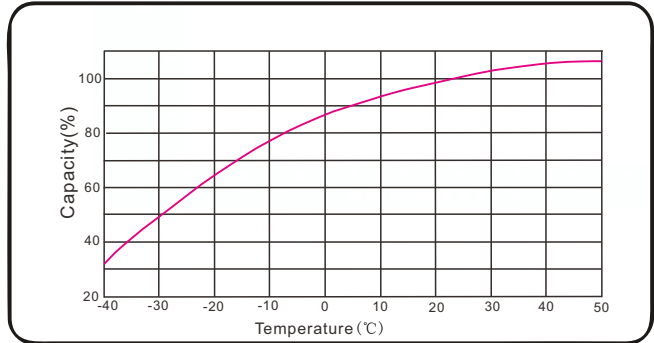
FV/Time	5M	15M	30M	1h	2h	3h	5h	8h	10h	20h
1.60V	909	513	320	196	112	83.7	54.9	36.9	29.3	15.8
1.65V	874	504	317	194	112	82.6	54.6	36.6	29.0	15.7
1.70V	870	498	317	193	112	82.2	54.1	36.5	28.7	15.7
1.75V	811	495	316	191	111	81.7	53.8	36.2	28.4	15.6
1.80V	745	468	308	190	111	81.4	53.2	35.9	28.1	15.5
1.85V	665	418	283	176	106	77.4	50.8	34.7	27.7	15.4

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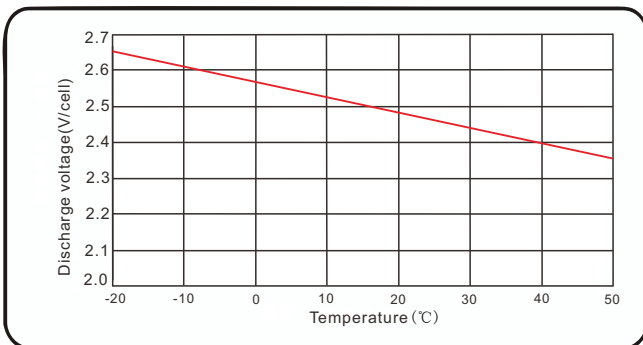
Discharge Characteristic Curve



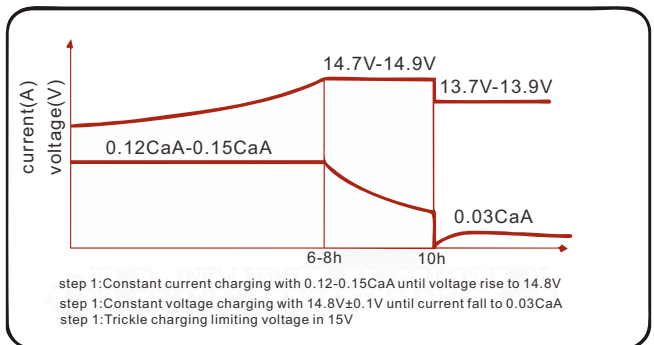
Effect of temperature on capacity



Effect of temperature on charge voltage



Charge Characteristic Curve



Cycle service life

