

MODEL : 6-DG-220型(12V150Ah)

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	292mm±1.5mm
Total Height	292mm±1.5mm
Weight	41.0kg

Applications

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

Product Specification

Nominal Voltage:

12V

Rated Capacity:

10Hour Rate (15.9A to 10.5V)	159Ah
5Hour Rate (30.0A to 10.5V)	150Ah
1Hour Rate (110A to 10.2V)	110Ah

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	22.5A

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

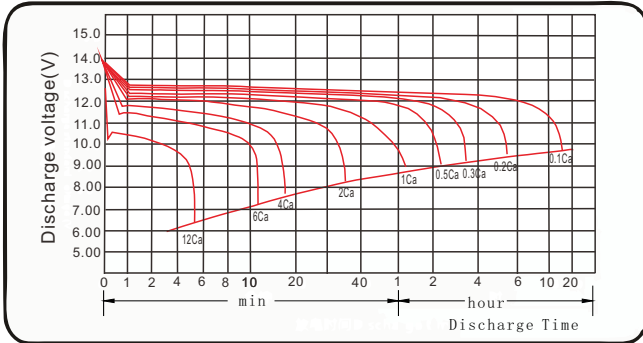
FV/Time	5M	15M	30M	1h	2h	3h	5h	8h	10h	20h
1.60V	581	312	190	111	63.7	47.2	31.0	20.4	16.3	8.57
1.65V	563	303	187	110	63.3	46.7	30.7	20.2	16.2	8.53
1.70V	541	296	183	110	62.8	46.0	30.4	20.0	16.0	8.48
1.75V	497	286	182	108	61.9	45.5	30.0	19.9	15.9	8.45
1.80V	446	267	174	105	60.7	45.2	29.2	19.7	15.7	8.40
1.85V	397	238	159	97.4	57.7	42.6	27.8	18.9	15.2	8.26

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

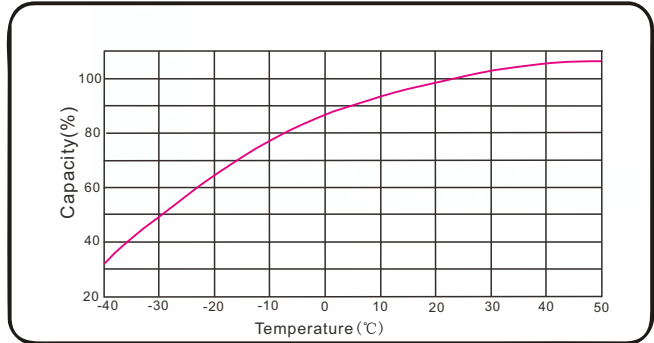
FV/Time	5M	15M	30M	1h	2h	3h	5h	8h	10h	20h
1.60V	974	550	343	210	120	89.7	58.8	39.6	31.4	17.0
1.65V	937	540	340	208	120	88.6	58.5	39.3	31.1	16.9
1.70V	932	534	340	207	120	88.1	58.0	39.1	30.8	16.8
1.75V	869	530	339	205	119	87.6	57.7	38.8	30.5	16.7
1.80V	798	501	331	203	119	87.3	57.0	38.4	30.1	16.6
1.85V	713	448	303	189	113	83.0	54.4	37.1	29.7	16.5

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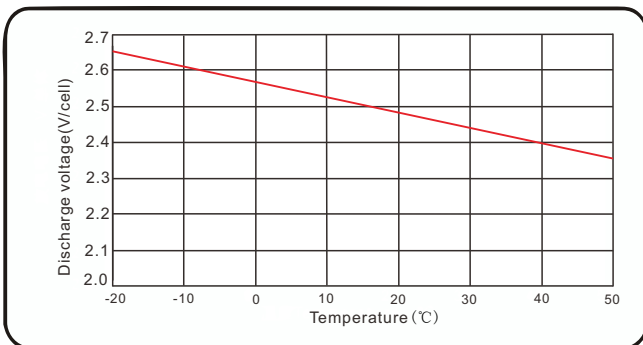
Discharge Characteristic Curve



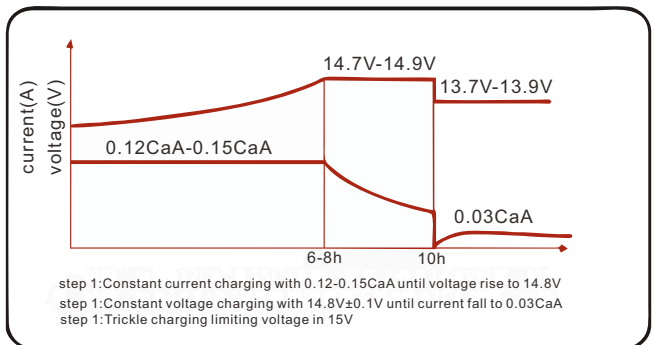
Effect of temperature on capacity



Effect of temperature on charge voltage



Charge Characteristic Curve



Cycle service life

