

MODEL : 6-DG-180型(12V110Ah)

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	273mm±1.5mm
Total Height	273mm±1.5mm
Weight	34.0kg

Applications

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

Product Specification

Nominal Voltage:

12V

Rated Capacity:

10Hour Rate (11.6A to 10.5V)	116Ah
5Hour Rate (22.0A to 10.5V)	110Ah
1Hour Rate (80.0A to 10.2V)	80Ah

Self discharge Rate:

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	16.5A

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

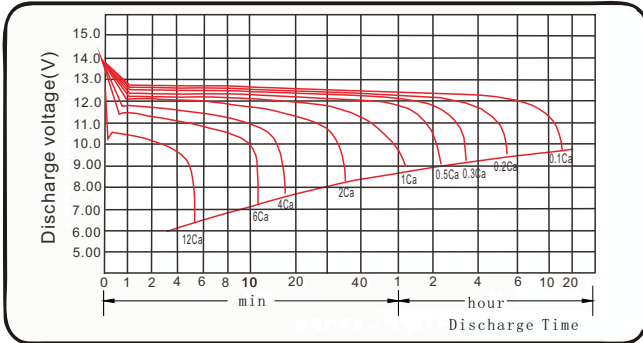
FV/Time	5M	15M	30M	1h	2h	3h	5h	8h	10h	20h
1.60V	426	229	139	81.4	46.7	34.6	22.8	14.9	12.0	6.29
1.65V	413	222	137	81.0	46.5	34.2	22.5	14.8	11.9	6.26
1.70V	397	217	135	80.4	46.1	33.8	22.3	14.7	11.8	6.22
1.75V	365	210	133	79.2	45.4	33.4	22.0	14.6	11.6	6.20
1.80V	327	196	128	77.2	44.6	33.2	21.5	14.5	11.5	6.16
1.85V	292	175	116	71.5	42.3	31.2	20.4	13.9	11.2	6.06

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

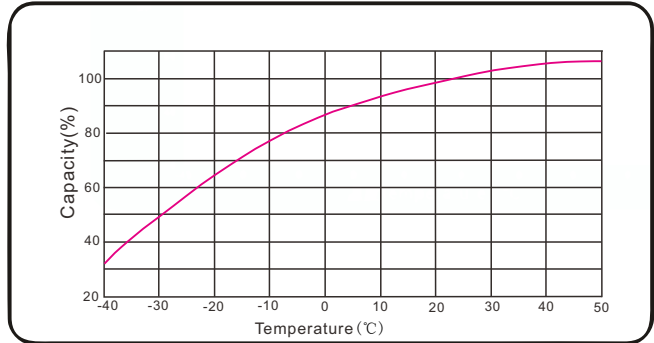
FV/Time	5M	15M	30M	1h	2h	3h	5h	8h	10h	20h
1.60V	715	403	252	154	88.3	65.8	43.1	29.0	23.0	12.4
1.65V	687	396	250	153	88.1	65.0	42.9	28.8	22.8	12.4
1.70V	684	392	250	152	87.7	64.6	42.6	28.7	22.6	12.3
1.75V	638	389	248	150	87.2	64.3	42.3	28.4	22.3	12.3
1.80V	586	368	243	149	87.0	64.0	41.8	28.2	22.1	12.2
1.85V	523	329	222	139	83.1	60.9	39.9	27.2	21.8	12.1

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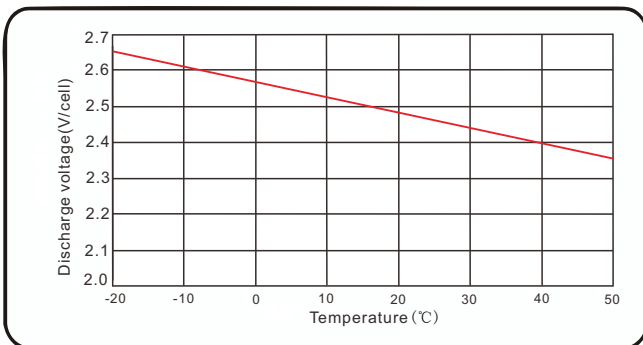
Discharge Characteristic Curve



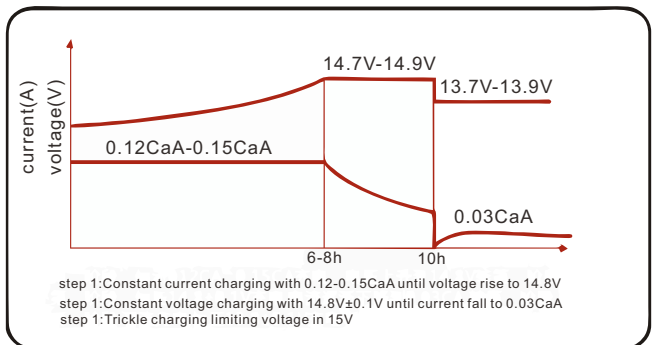
Effect of temperature on capacity



Effect of temperature on charge voltage



Charge Characteristic Curve



Cycle service life

