

# MODEL : 6-DG-150(12V90Ah)

## 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	260mm±1.5mm
Total Height	260mm±1.5mm
Weight	31.0kg

## Applications

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

## Product Specification

Nominal Voltage:

12V

Rated Capacity:

10Hour Rate (9.50A to 10.5V)	95Ah
5Hour Rate (18.0A to 10.5V)	90Ah
1Hour Rate (65.0A to 10.2V)	65Ah

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	13.5A

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

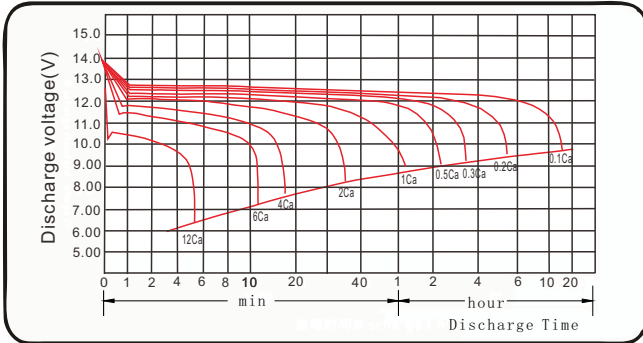
FV/Time	5M	15M	30M	1h	2h	3h	5h	8h	10h	20h
1.60V	348	187	114	66.5	38.1	28.2	18.6	12.2	9.78	5.13
1.65V	337	181	112	66.1	37.9	27.9	18.4	12.1	9.68	5.10
1.70V	324	177	110	65.6	37.6	27.6	18.2	12.0	9.59	5.08
1.75V	298	171	109	64.6	37.0	27.3	18.0	11.9	9.49	5.06
1.80V	267	160	104	63.0	36.4	27.1	17.5	11.8	9.40	5.03
1.85V	238	143	95.0	58.3	34.5	25.5	16.6	11.3	9.12	4.94

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

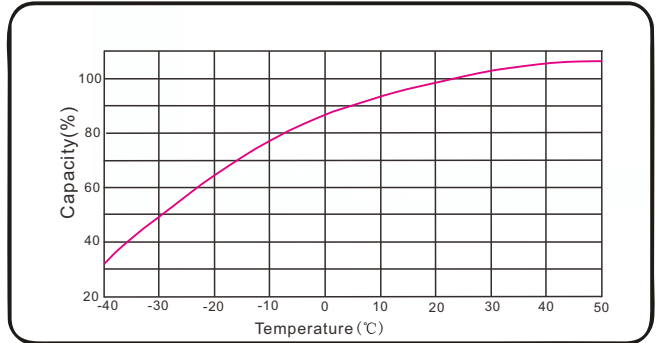
FV/Time	5M	15M	30M	1h	2h	3h	5h	8h	10h	20h
1.60V	583	329	206	126	72.1	53.7	35.2	23.7	18.8	10.2
1.65V	561	323	204	125	71.9	53.0	35.0	23.5	18.6	10.1
1.70V	558	319	204	124	71.6	52.7	34.7	23.4	18.4	10.1
1.75V	520	318	203	123	71.2	52.4	34.5	23.2	18.2	10.0
1.80V	478	300	198	122	71.0	52.2	34.1	23.0	18.0	10.0
1.85V	427	268	181	113	67.8	49.7	32.6	22.2	17.8	9.87

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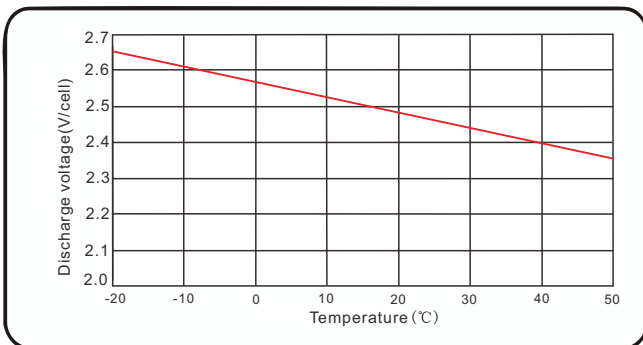
Discharge Characteristic Curve



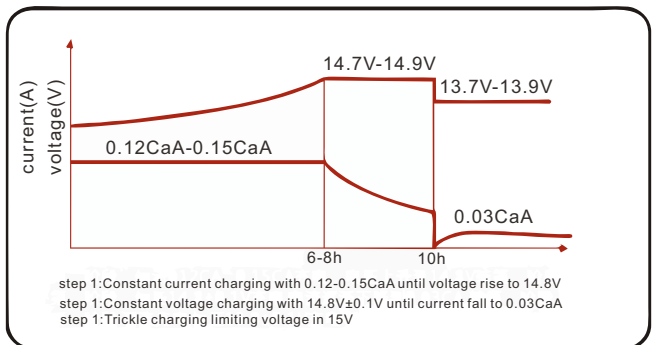
Effect of temperature on capacity



Effect of temperature on charge voltage



Charge Characteristic Curve



Cycle service life

