

MODEL : 6-DG-160型(12V100Ah)

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	33.0kg

Applications

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

Product Specification

Nominal Voltage:

12V

Rated Capacity:

10Hour Rate (10.6A to 10.5V)	106Ah
5Hour Rate (20.0A to 10.5V)	100Ah
1Hour Rate (72.0A to 10.2V)	72Ah

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	15.0A

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

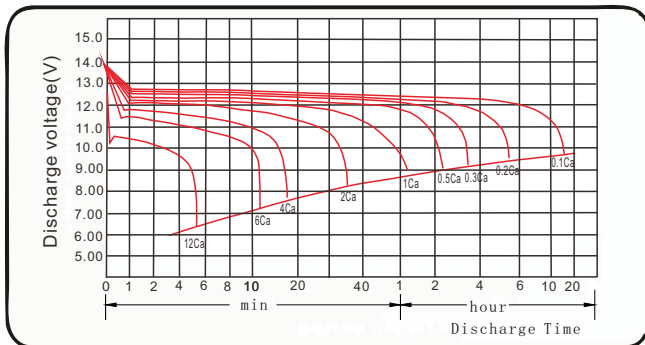
FV/Time	5M	15M	30M	1h	2h	3h	5h	8h	10h	20h
1.60V	387	208	127	74.0	42.4	31.5	20.7	13.6	10.9	5.72
1.65V	376	202	124	73.6	42.2	31.1	20.5	13.5	10.8	5.69
1.70V	361	197	122	73.0	41.9	30.7	20.3	13.4	10.7	5.65
1.75V	332	191	121	72.0	41.3	30.4	20.0	13.3	10.6	5.63
1.80V	297	178	116	70.1	40.5	30.1	19.5	13.1	10.5	5.60
1.85V	265	159	106	65.0	38.5	28.4	18.5	12.6	10.2	5.51

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

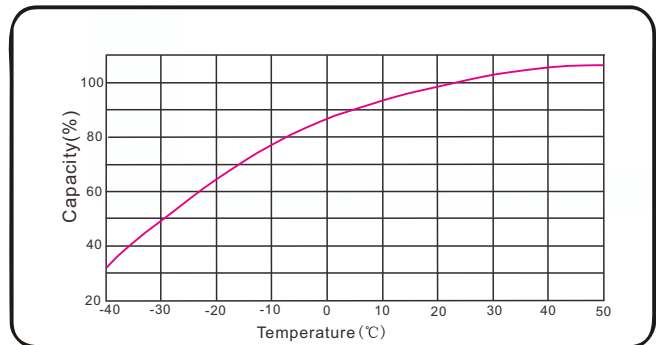
FV/Time	5M	15M	30M	1h	2h	3h	5h	8h	10h	20h
1.60V	649	367	229	140	80.3	59.8	39.2	26.4	20.9	11.3
1.65V	625	360	227	139	80.0	59.1	39.0	26.2	20.7	11.3
1.70V	621	356	227	138	79.7	58.7	38.7	26.1	20.5	11.2
1.75V	580	354	226	137	79.3	58.4	38.5	25.9	20.3	11.2
1.80V	532	334	220	136	79.1	58.2	38.0	25.6	20.1	11.1
1.85V	475	299	202	126	75.5	55.3	36.3	24.8	19.8	11.0

MODEL : 6-DG-160(12V100Ah)

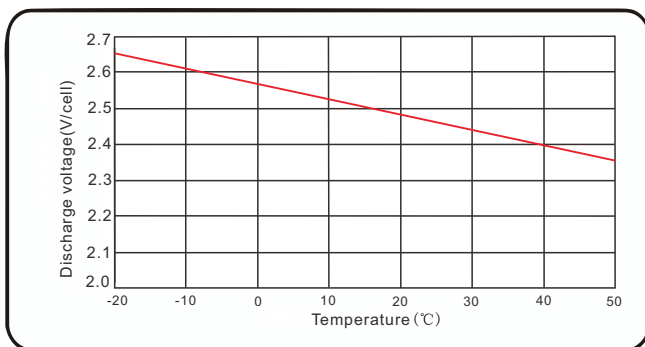
Discharge Characteristic Curve



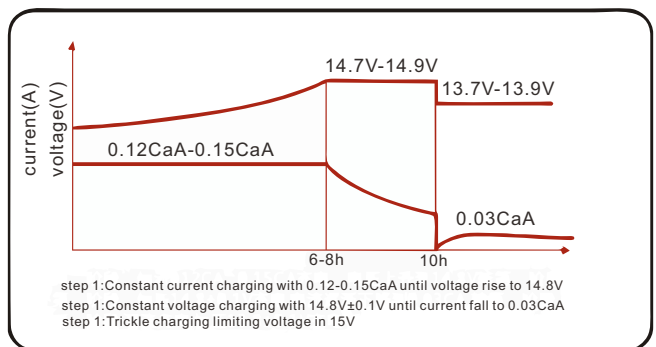
Effect of temperature on capacity



Effect of temperature on charge voltage



Charge Characteristic Curve



Cycle service life

