



Holy Enterprise Limited

FL.2, No.12 North Ave.1, Industrial Rd. East, Gusan, Guzhen, Zhongshan, Guangdong, China

Specification

EV 6DZM20-12V20AH/2HR

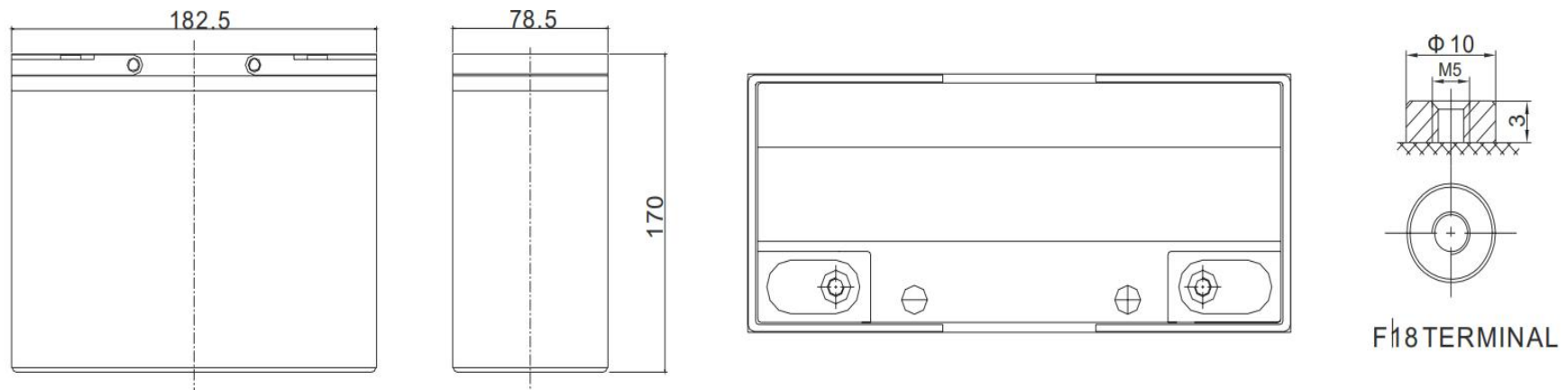
Cells Per Unit	6
Voltage Per Unit	12
Capacity	20AH@2hr-rate to 1.75V per cell @ 25°C
Weight	Approx.: 6.80kg (Tolerance±3%)
Max. Discharge Current	200A(5sec)
Internal Resistance	Approx 16.5mΩ
Operating Temperature	Discharge: -20°C~50°C Charge: 0°C~40°C Storage: -20°C~50°C
Normal Operating Temperature	25±3°C
Float Charging Voltage	13.6 to 13.8 VDC/unit Average at 25°C
Maximum Charging Current	3.6A
Equalization and Cycle service	14.5 to 14.9 VDC /unit Average at 25°C
Terminal	Terminal: M5



Application

- Electric golf carts
- Electric wheelchairs
- Cleaning machines
- Electric Vehicles
- Power Tools
- Mowers

Dimension: 182.5(L) ×78.5(W) ×170(H) (Total 170 mm)



Constant Current Discharge Characteristics: A(25°C)

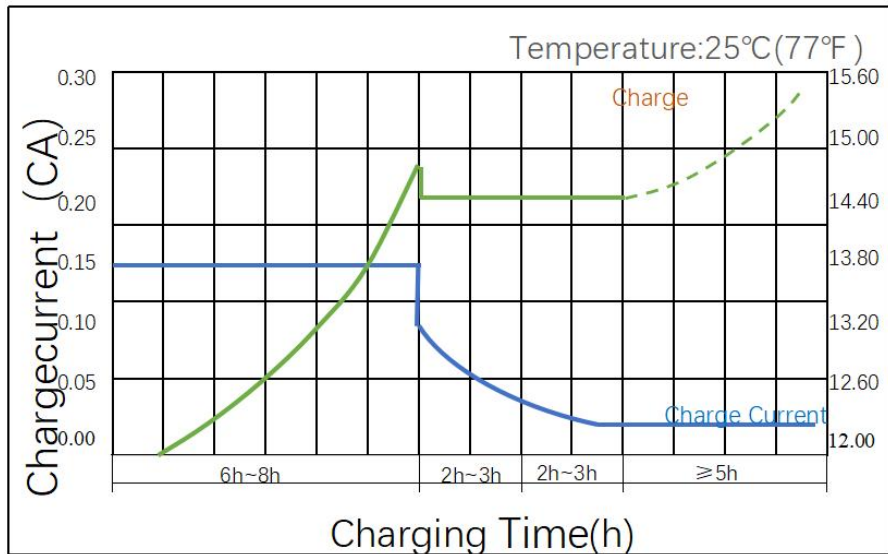
F.V/Time	5MIN	10MIN	15MIN	30MIN	1HR	2HR	5HR	10HR	20HR
9.60V	107.6	71.0	56.0	32.4	17.7	10.4	4.7	2.7	1.41
10.0V	103.2	68.2	54.5	31.9	17.6	10.3	4.6	2.6	1.39
10.2V	97.7	65.9	53.0	31.6	17.5	10.2	4.5	2.5	1.36
10.5V	88.2	61.9	50.0	30.9	17.2	10.1	4.4	2.4	1.31
10.8V	78.8	57.6	47.0	30.1	16.9	10.0	4.3	2.3	1.27

Constant Power Discharge Characteristics: W/Cell(25°C)

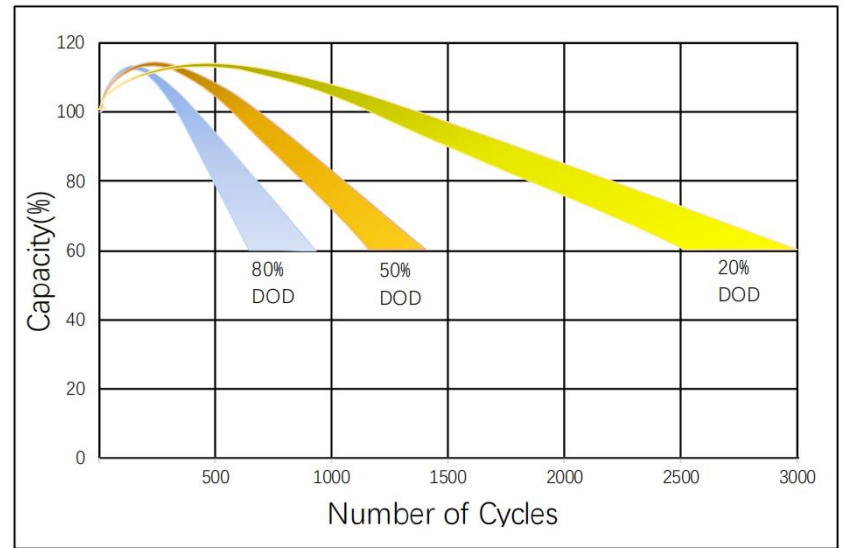
F.V/Time	5MIN	10MIN	15MIN	30MIN	1HR	2HR	5HR	10HR	20HR
9.60V	109.5	147.3	104.1	63.5	35.0	21.4	9.50	6.04	3.39
10.0V	186.8	143.6	102.2	62.2	34.8	21.3	9.45	5.98	3.25
10.2V	180.7	125.8	100.2	61.7	34.5	21.2	9.42	5.86	3.12
10.5V	176.5	125.6	98.1	60.4	34.1	21.1	9.39	5.77	2.94
10.8V	172.4	121.8	96.3	59.6	33.8	20.9	9.35	5.69	2.89

All mentioned values are average values.

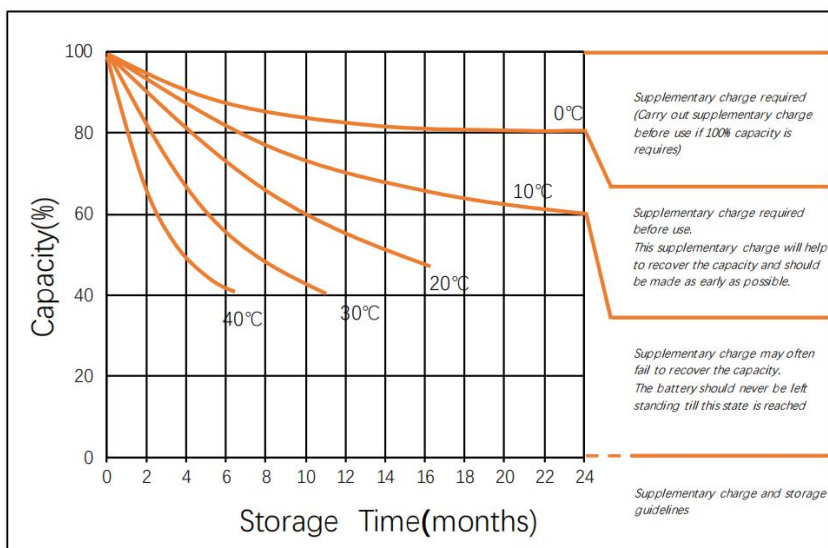
Charge Characteristic Curve For Cycle Use(IUI)



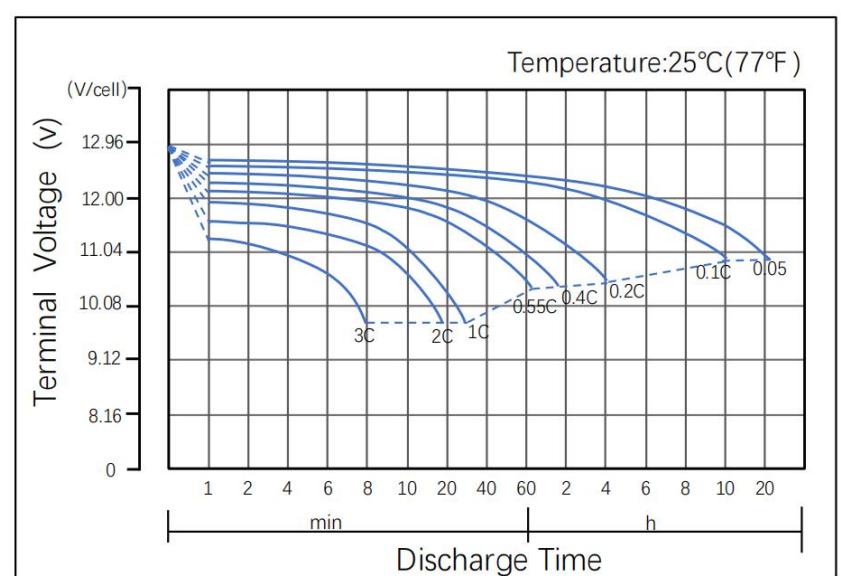
Cycle Life in Relation to Depth of Discharge



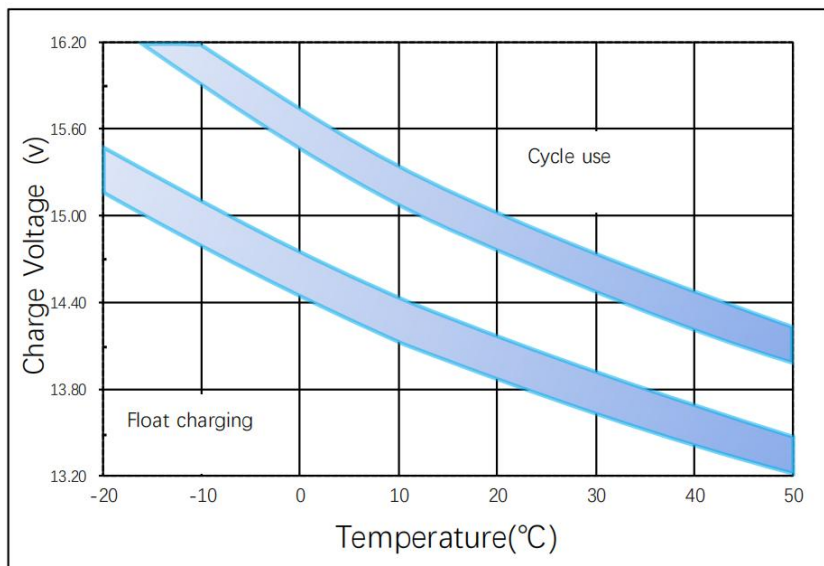
Storage Characteristics



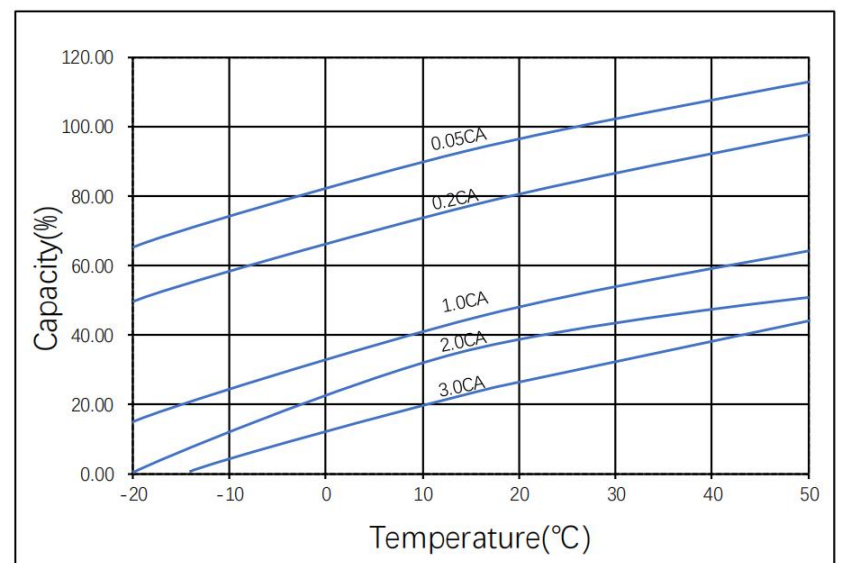
Discharge Characteristics Curve



Relationship Between Charging Voltage and Temperature



Temperature Effects on Capacity



Maintenance & Cautions

- ※ Every month, recommend inspection every battery voltage;
- ※ Every three months, recommend equalization charge once;
Equalization charge method:
Discharge: 100% rate capacity discharge;
Charge: Max. Current 0.3CA, constant voltage 2.35-2.4V/Cell;
- ※ Effect of temperature on float charge voltage: -3mV/Cell;

CONTACT Us

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