



Holy Enterprise Limited

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

Specification

EV 6-EVF-90-12V90AH/3HR

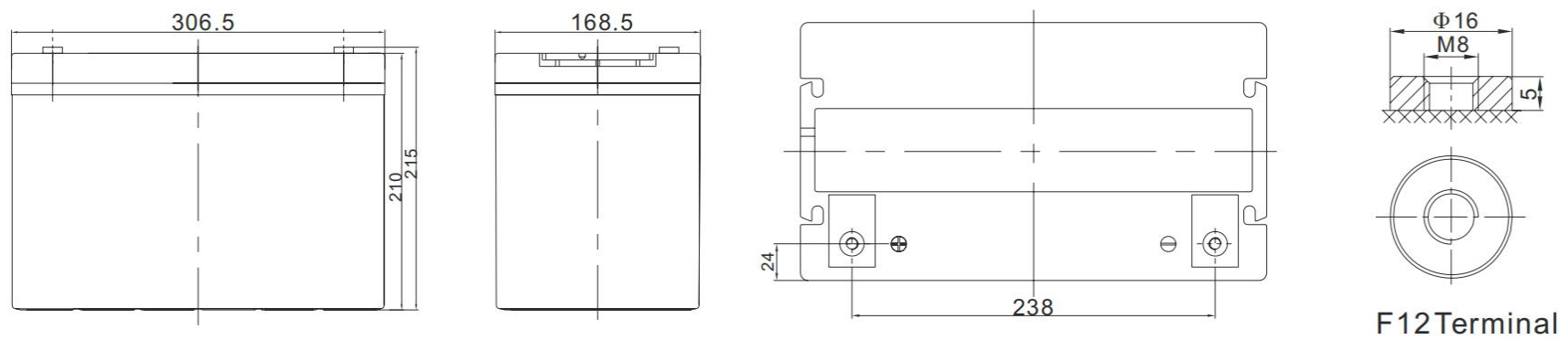
Cells Per Unit	6
Voltage Per Unit	12
Capacity	90AH@3hr-rate to 1.75V per cell @ 25°C
Weight	Approx.: 31.00kg (Tolerance±3%)
Max. Discharge Current	900A(5sec)
Internal Resistance	Approx 7.0mΩ
Operating Temperature Range	Discharge: -20°C~50°C Charge: 0°C~40°C Storage: -20°C~50°C
Normal Operating Temperature	25±3°C
Float Charging Voltage	13.6 to 13.8 VDC/unit Average at 25°C
Maximum Charging Current	15.00A
Equalization and Cycle service	14.5 to 14.9 VDC /unit Average at 25°C
Terminal	Terminal: M6/M8



Application

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

Dimension: 306.5(L) ×168.5(W) ×210(H) (Total 215 mm)



F12 Terminal

Constant Current Discharge Characteristics: A(25°C)

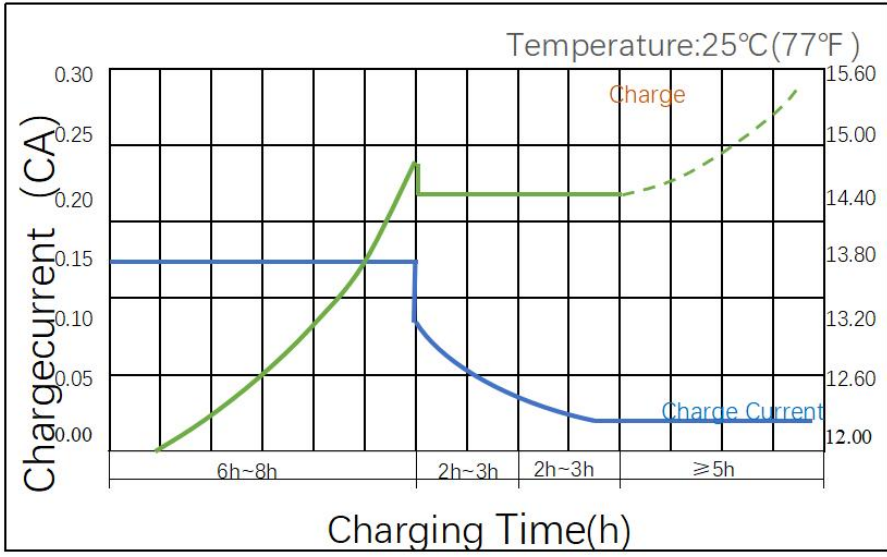
F.V/Time	5MIN	10MIN	15MIN	30MIN	1HR	2HR	3HR	4HR	5HR
9.60V	365.5	266.8	217.7	135.2	78.00	46.67	32.36	26.44	21.64
10.0V	355.0	253.8	213.2	133.0	77.64	46.32	32.14	26.32	21.51
10.2V	344.5	244.9	209.9	131.8	76.92	45.97	31.89	26.19	21.39
10.5V	309.3	226.0	199.8	128.5	76.20	45.62	31.77	25.95	21.13
10.8V	297.2	206.1	184.2	122.9	74.40	44.80	30.90	25.34	20.75

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

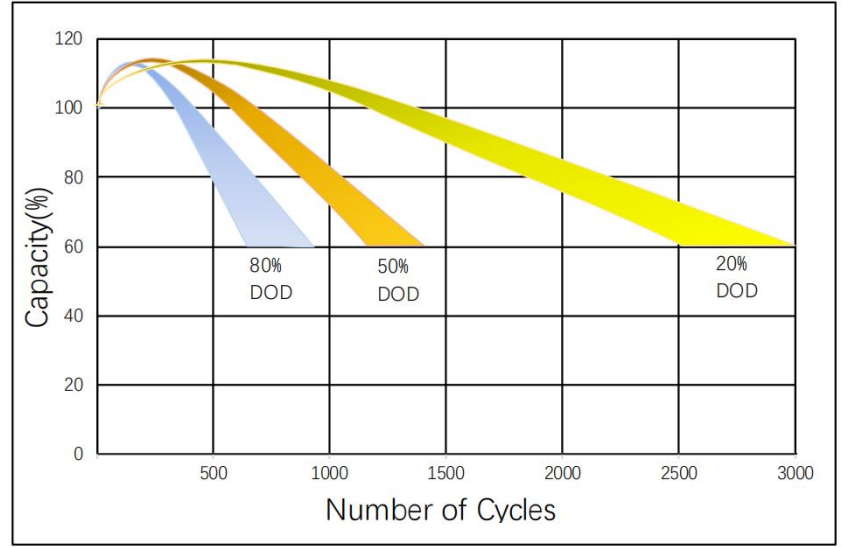
F.V/Time	5MIN	10MIN	15MIN	30MIN	1HR	2HR	3HR	4HR	5HR
9.60V	3781	2841	2395	1541	901.3	550.1	384.9	315.1	285.2
10.0V	3706	2754	2356	1522	899.2	547.2	384.0	314.7	257.5
10.2V	3664	2681	2330	1512	892.2	543.9	382.3	314.1	256.6
10.5V	3336	2497	2222	1476	884.2	540.0	380.9	311.1	253.6
10.8V	3038	2302	2054	1415	867.9	533.1	370.5	304.0	249.0

All mentioned values are average values.

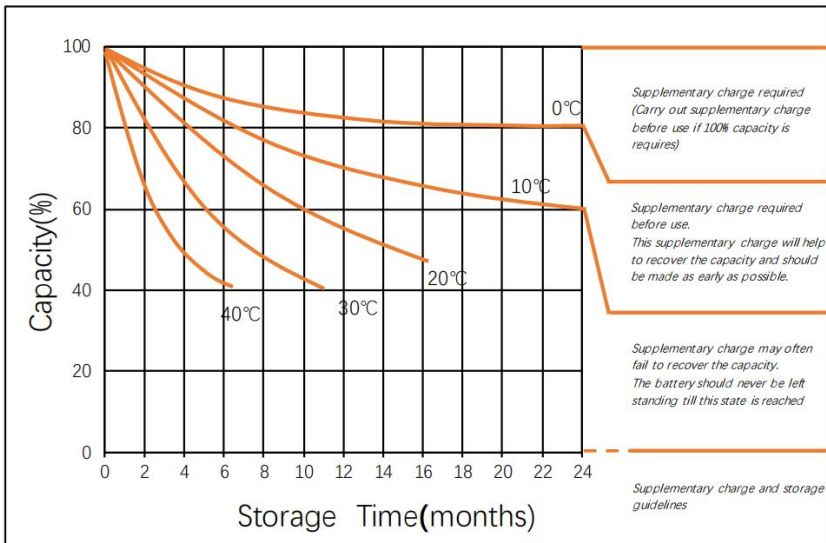
Charge Characteristic Curve For Cycle Use(IUI)



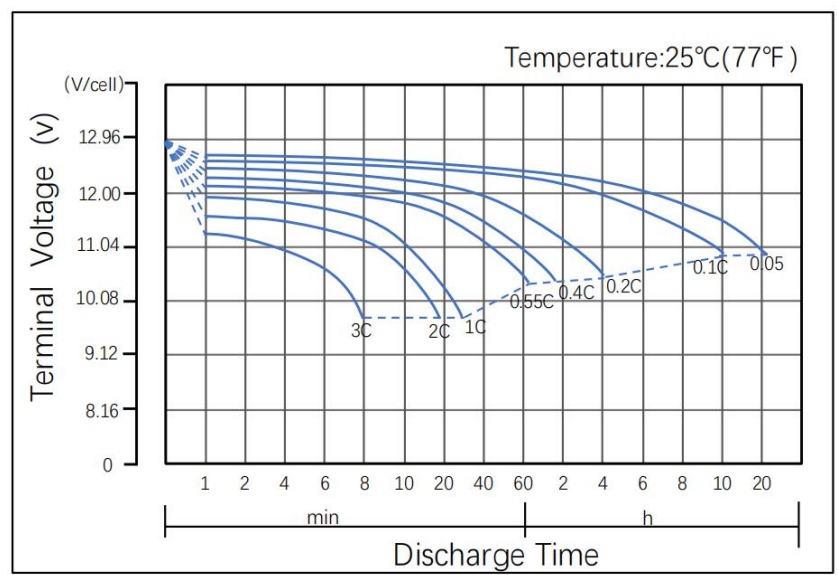
Cycle Life in Relation to Depth of Discharge



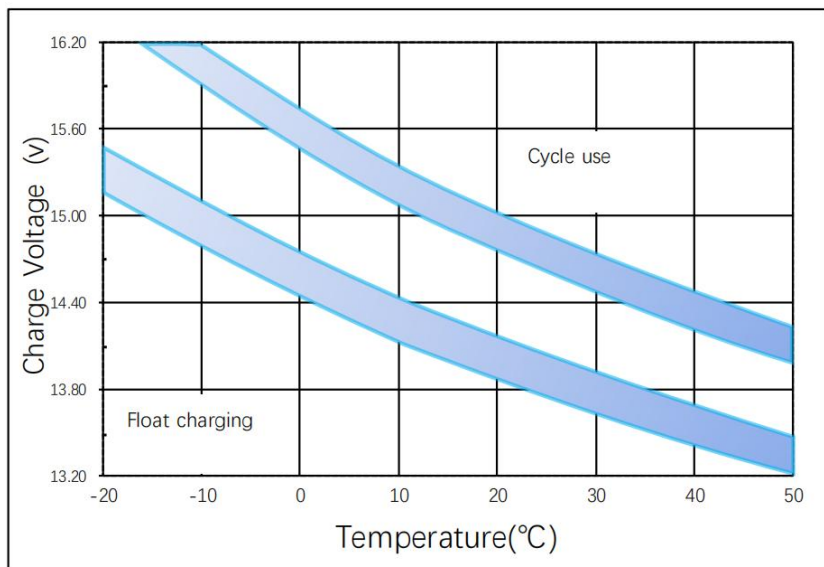
Storage Characteristics



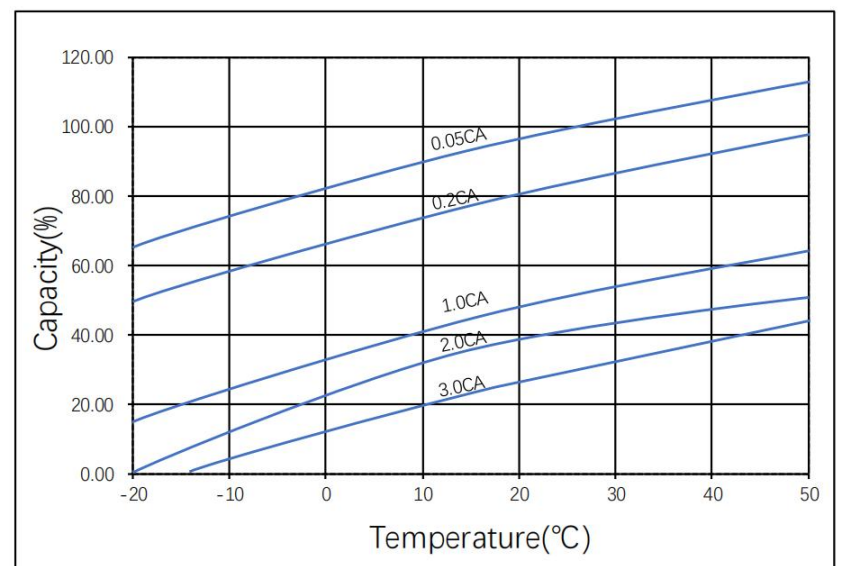
Discharge Characteristics Curve



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

Add: FL.2, No.12 North Ave.1, Industrial Rd. East, Gusan, Guzhen, Zhongshan, Guangdong, China,
T: +86-760- 8862 5562 | **F:** +86-760-8862 5562
Email: sales@holybattery.com johny5@126.com
Website: www.holybattery.com