



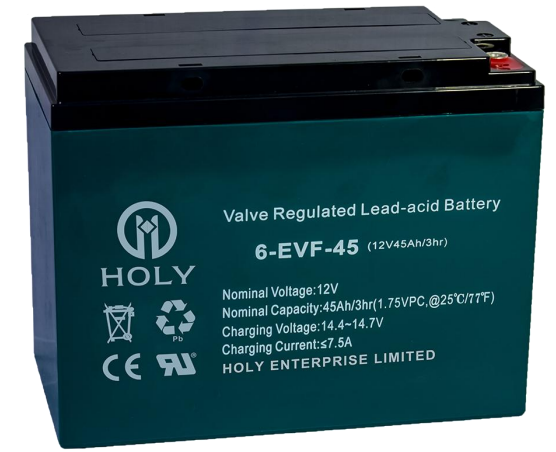
Holy Enterprise Limited

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

Specification

EV 6-EVF-45-12V45AH/3HR

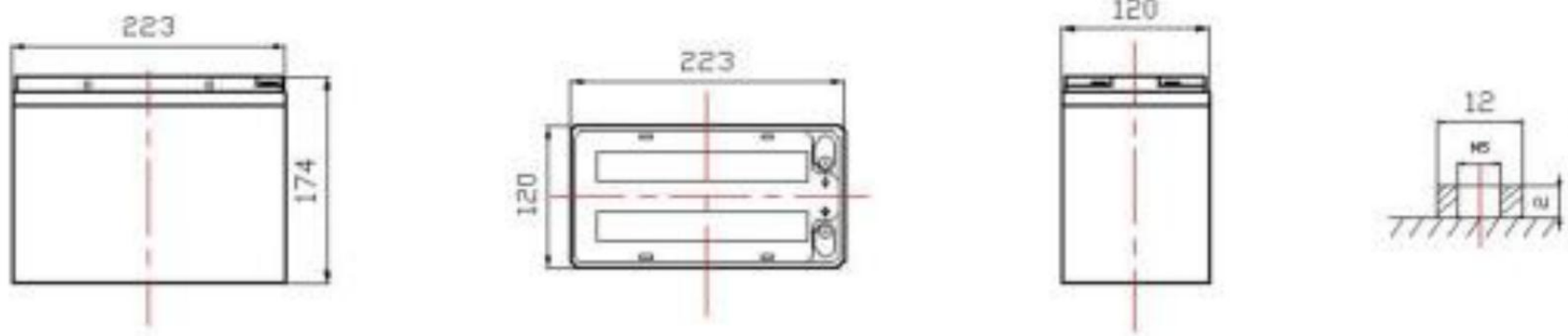
Cells Per Unit	6
Voltage Per Unit	12
Capacity	45AH@3hr-rate to 1.75V per cell @ 25°C
Weight	Approx.: 12.50kg (Tolerance±3%)
Max. Discharge Current	320A(5sec)
Internal Resistance	Approx 12.0mΩ
Operating Temperature Range	Discharge: -20°C~50°C Charge: 0°C~40°C Storage: -20°C~50°C
Normal Operating Temperature	25±3°C
Float Charging Voltage	13.6 to 13.8 VDC/unit Average at 25°C
Maximum Charging Current	11.20A
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: 223(L) ×120(W) ×169(H) (Total 174 mm)



Constant Current Discharge Characteristics: A(25°C)

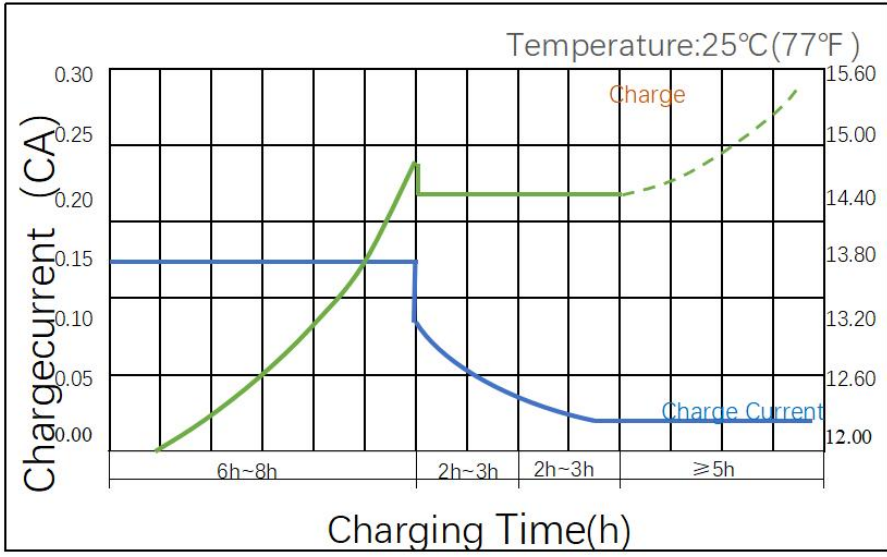
F.V/Time	5MIN	10MIN	15MIN	30MIN	1HR	2HR	5HR	10HR	20HR
9.60V	180.6	133.0	103.7	63.17	35.04	20.95	10.09	6.89	3.05
10.0V	175.4	126.5	101.5	62.08	34.87	20.79	10.03	6.84	2.99
10.2V	170.2	122.1	99.93	60.93	34.55	20.64	9.97	6.78	2.94
10.5V	152.8	112.6	95.15	60.47	34.23	20.48	9.85	6.72	2.88
10.8V	137.9	102.7	87.71	59.43	33.42	20.11	9.68	6.61	2.83

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

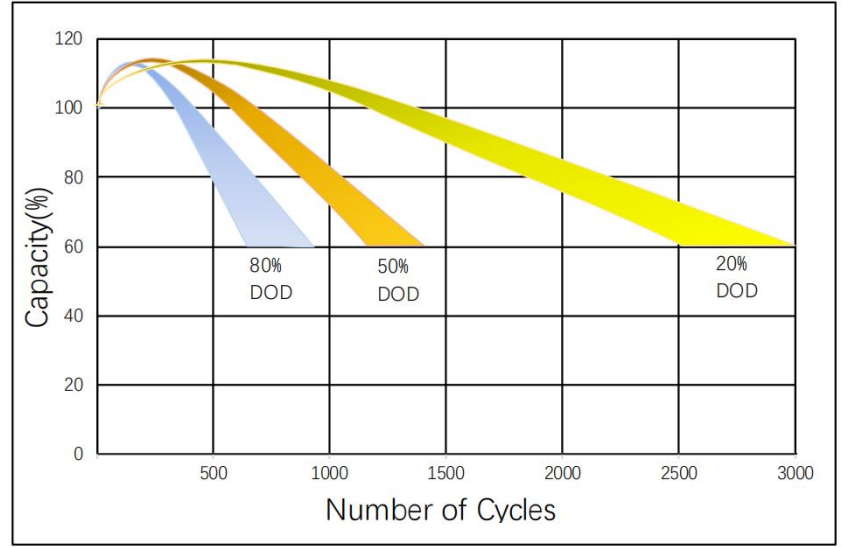
F.V/Time	5MIN	10MIN	15MIN	30MIN	1HR	2HR	5HR	10HR	20HR
9.60V	1905	1416	1130	708.8	404.8	247.0	120.4	68.31	36.57
10.0V	1868	1373	1112	700.1	403.9	245.6	120.1	67.88	35.94
10.2V	1846	1336	1099	695.2	400.8	244.2	119.7	67.28	35.27
10.5V	1681	1245	1049	690.4	397.2	242.4	118.2	66.62	34.61
10.8V	1531	1147	969.2	679.3	389.8	239.3	116.1	65.96	33.94

All mentioned values are average values.

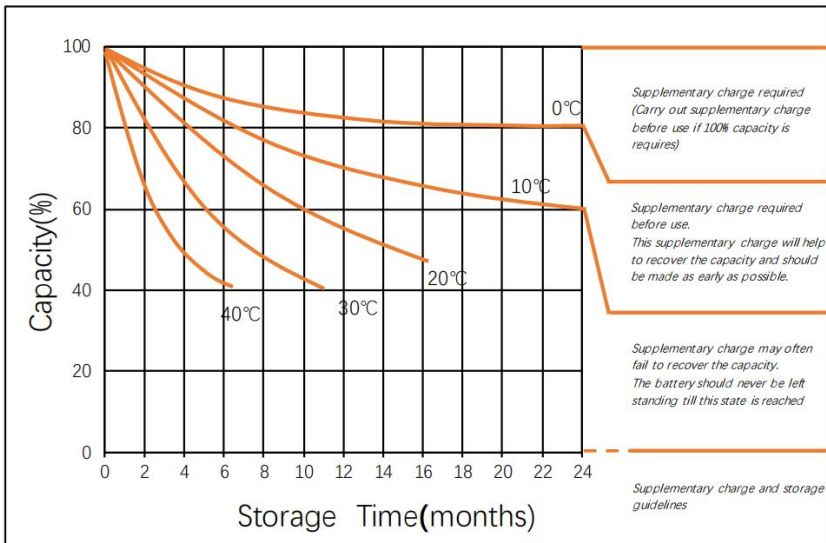
Charge Characteristic Curve For Cycle Use(IUI)



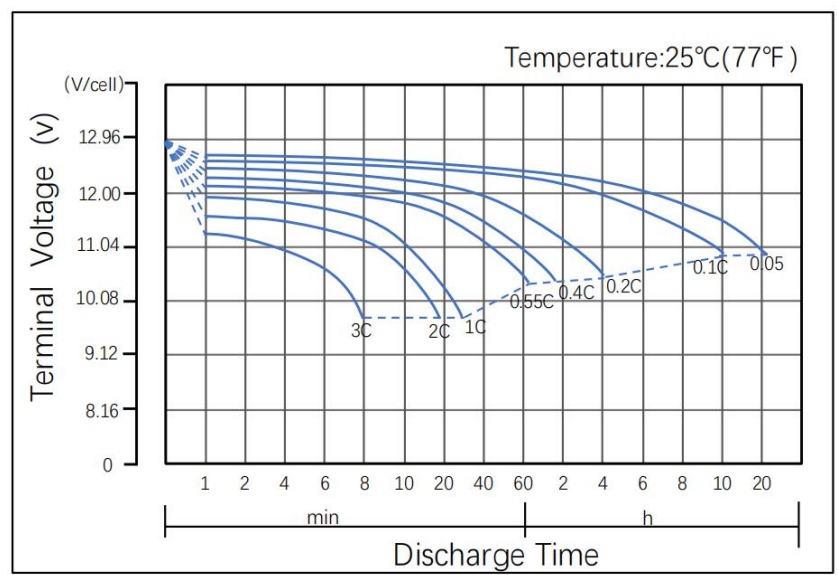
Cycle Life in Relation to Depth of Discharge



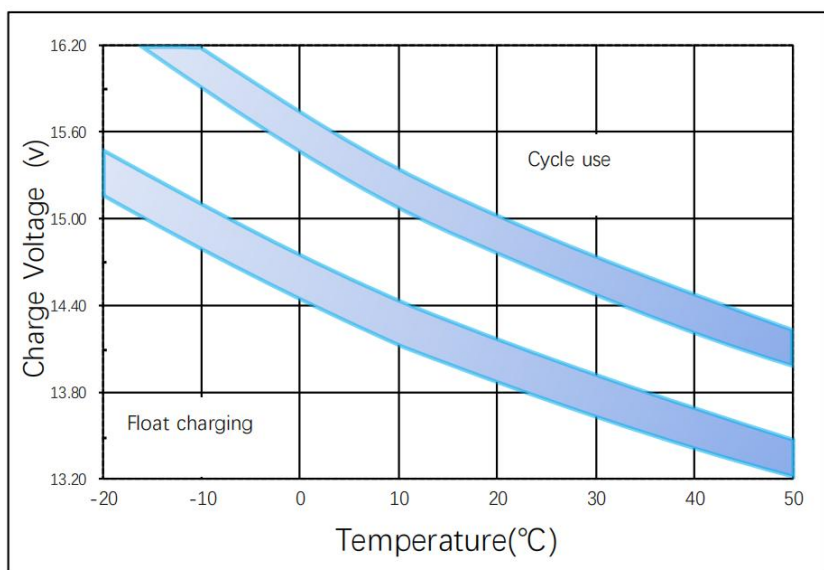
Storage Characteristics



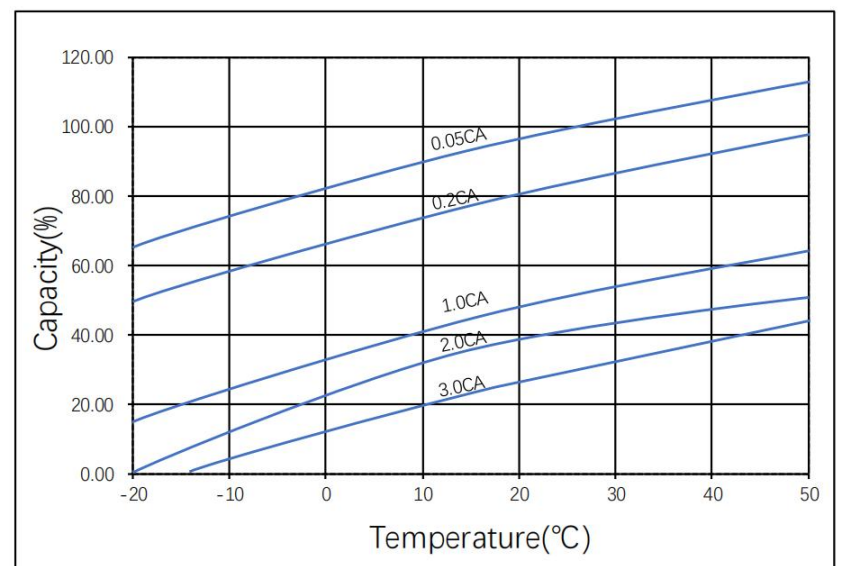
Discharge Characteristics Curve



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