FUJIAN YAHENG POWER TECHNOLOGY GROUP CO.,LTD

6-EVF-135　　12V135AH

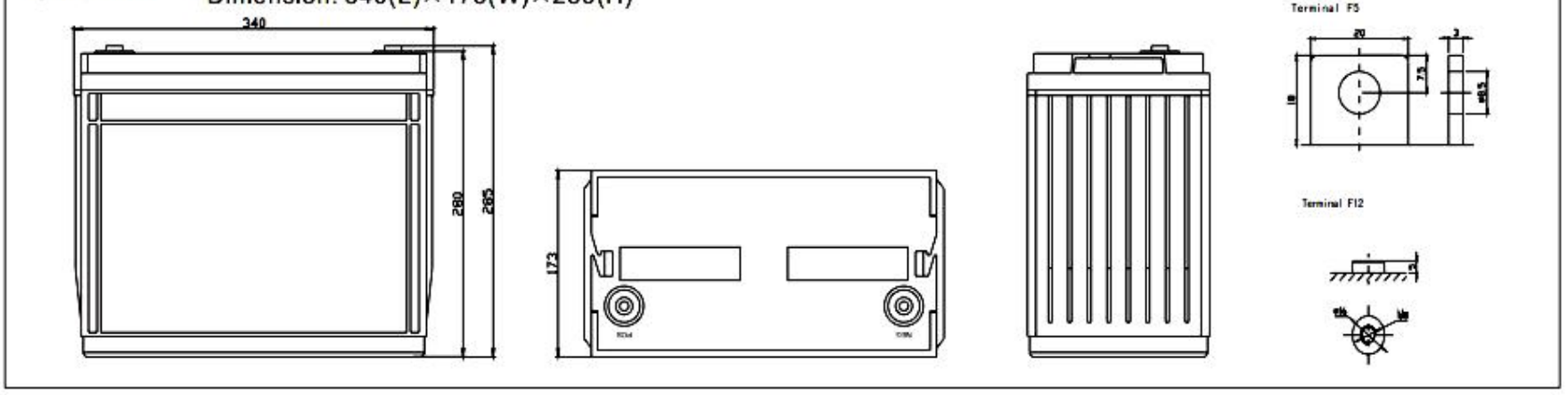
6-EVF-135 is AGM deep cycle battery, with specially designed for frequent cyclic discharge usage. By using strong grid and specific paste plate, it can deliver more than 450 cycles at 100% DOD. It is applicable for electric bicycle, golf cart, electric wheelchair, etc..

Specification

Cells Per Unit	6
Voltage Per Unit	12V
Capacity	135AH@3hr-rate to 1.75V per cell @ 25℃
Weight	Approx. 43kg (Tolerance±3%)
Max. Discharge Current	1350A(5sec)
Internal Temperature Range	Discharge: -20℃~60℃ Charge: 0℃~50℃ Storage: -20℃~60℃
Normal Operating Temperature Range	25±5℃
Float Charging Voltage	13.6 to 13.8 VDC/unit Average at 25℃
Recommended Maximum Charging Current Limit	40.5A
Equalization and Cycle service	14.6 to 14.8 VDC /unit Average at 25℃
Self Discharge	YAHENG Vale Regulated Lead Acid(VRLA) Can be stored for more than 6 months at 25℃. Self-discharge ratio less than 3% per month at25℃. Please charge batteries before using .
Terminal	Terminal F12/L20
Container Material	A.B.S. UL94-HB, Flammability resistance of UL94-V2 can be avail upon request

Dimensions

Unit: mm　Dimension: 340(L)×173(W)×285(H)



Constant Current Discharge Characteristics: A(25℃)

F.V/Time	15MIN	30MIN	1HR	2HR	3HR	4HR	5HR	8HR	10HR
9.60V	303.0	185.9	115.5	71.29	48.45	39.07	32.43	21.36	19.59
10.0V	296.9	183.5	113.9	69.86	47.55	38.51	32.14	21.27	19.40
10.2V	290.6	180.7	112.9	69.12	47.13	38.13	31.93	21.08	19.20
10.5V	276.7	175.7	111.5	68.21	46.71	37.56	31.66	20.90	19.01
10.8V	255.0	169.9	109.9	67.65	46.17	36.28	31.51	20.81	18.84
11.1V	228.7	163.4	107.3	64.93	45.26	35.75	31.28	20.64	18.62

Constant Power Discharge Characteristics: W(25℃)

F.V/Time	15MIN	30MIN	1HR	2HR	3HR	4HR	5HR	8HR	10HR
9.60V	3292	2128	1338	835.5	570.4	467.6	388.5	255.8	234.9
10.0V	3245	2106	1326	825.3	561.9	461.0	385.0	254.8	233.0
10.2V	3209	2087	1218	819.4	559.4	456.7	382.7	252.9	231.0
10.5V	3065	2045	1310	809.0	554.9	450.6	379.6	250.7	228.7
10.8V	2860	1996	1293	803.0	548.7	435.3	377.9	249.6	226.4
11.1V	2605	1942	1273	772.9	539.5	429.1	376.5	247.9	224.0

All mentioned values are average values.

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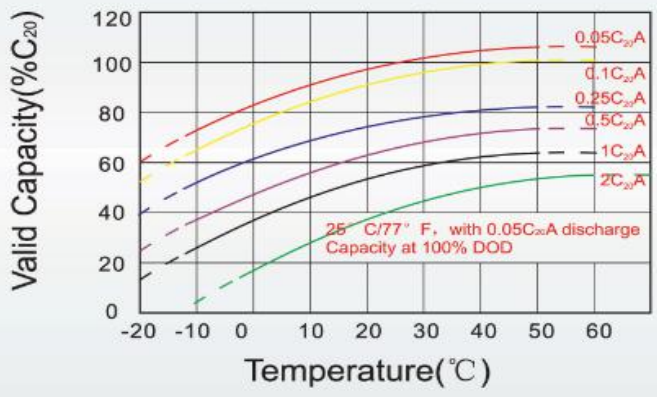
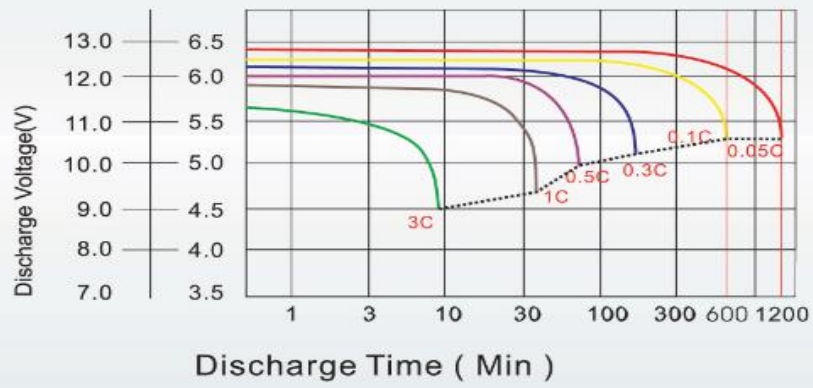
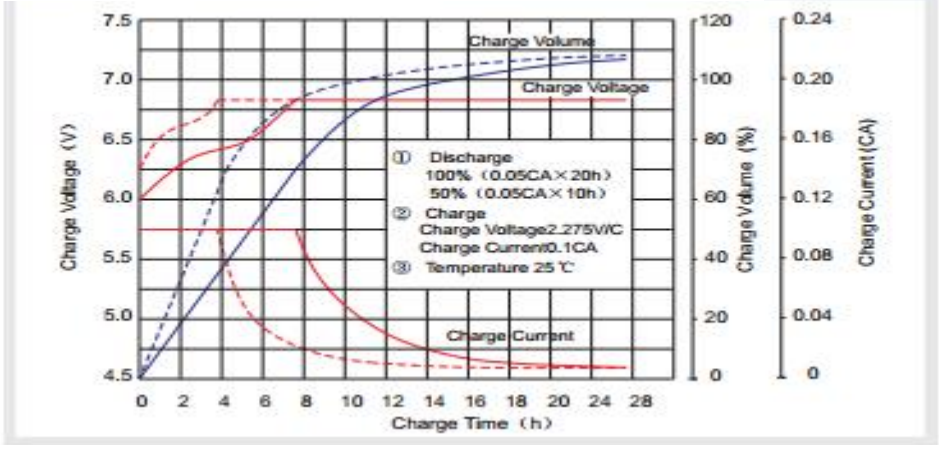
Temperature and Valid Capacity



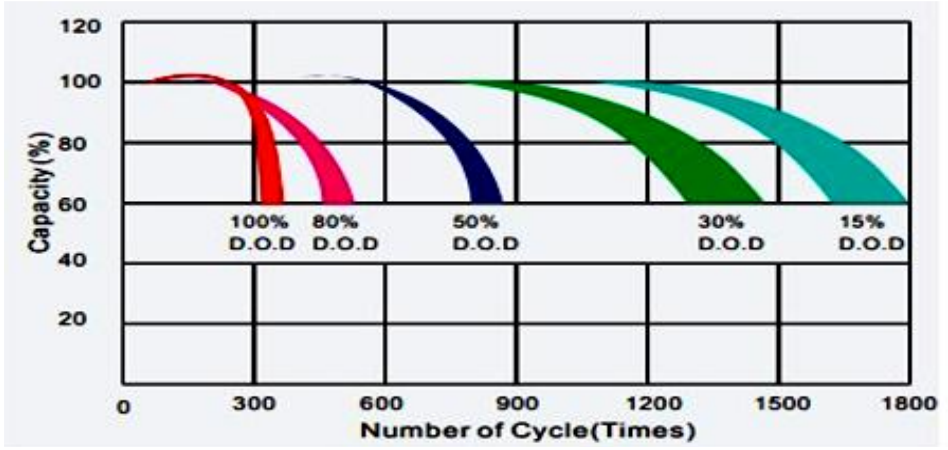
Discharg Characteristics at Various Rates @25℃/77℉



Charge characteristic curve for standby use



Life characteristics of cyclic use



Discharge Current VS. Discharge Voltage

Final Discharge Voltage V/cell	1.75V	1.70V	1.60V
Discharge Current (A)	A≤0.2C	0.2C≤A≤1.0C	≥1.0C

Charge the batteries at least once every six months, if they are stored at 25℃

Charging Method:

Constant Voltage	-0.2C*2h+2.4-2.45V/cell*24h, Max. Current 0.3CA
Constant Current	-0.2C*2h+0.1CA*12h
Fast	-0.2C*2h+0.3CA*4.0h

Maintenance & Cautions

Float Service

※ Every month, recommend inspection every battery voltage

※ Every three months, recommend equalization charge for one time.

Equalization charge method:

Discharge: 100% rate capacity discharge.

Charge: Max. Current 0.3CA, constant voltage 2.4-2.45V/Cell charge 24h

※ Effect of temperature on float charge voltage: -3mV/Cell.

※ Length of service life will be directly affected by the number of discharge cycles, depth of discharge, ambient temperature and charging voltage.

Contact us:

Fujian Yaheng Power Technology Group Co.,Ltd

Add: Yaheng Industrial Park, Jianyang District, Nanping City, Fujian Province, China

Website:www.yahengpower.com Email:liwendu@yahengpower.com

Tel:+86-599-5837578 Fax:+86-599-5823986

Yaheng Power Shenzhen office:

Rm D703, UNIS, Langshan Rd. 13, North high-tech industrial park, Nanshan District, Shenzhen City

Tel:+86-755-86962682 Fax:+86-755-26905060 Email:sales01@yahengpower.com