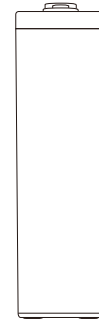
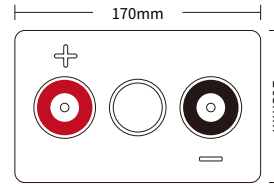
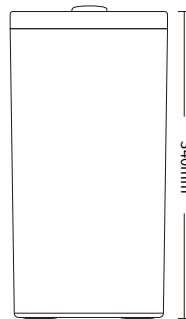


CN-2V 200AH Lead acid battery



Technology data

Rated voltage	Capacity (10hr,1.80V/Cell)	Weight	Max discharge current	Max charging current	Self-discharge (25°C)	Recommended Using temperature	Cover Material
2V	200Ah	12.5Kg	30I ₁₀ A(3min)	≤0.25C ₁₀	≤3%/month	15°C~25°C	ABS
Using temperature	Charging Voltage (25°C)	Charging Mode (25°C)		Cycle life		Capacity Affected by Temperature	
Discharge: -45°C~50°C	floating charge:	Float Charge: 2.275±0.025V		100%DOD 572 times		105% @ 40°C	
Charge: -20°C~45°C	2.25V-2.3V	Temperature parameters: ±3mV/°C		50%DOD 1422 times		90% @ 0°C	
Storage: -30°C~40°C	equalizing charge:	Cycle Charge: 2.45±0.05V		30%DOD 2218 times		70% @ -20°C	
	2.35V-2.4V	Temperature Compensation Coefficient ±5mV/°C					

Features

battery, Maintenance free and easy to use,Contemporary advanced technology research and development of new high-performance batteries,It can be widely used in solar energy , wind energy, telecommunication systems, off-grid systems, UPS and other fields. The designed life for the battery could be eight years up for float use.

Different discharge time at different terminal Voltage, discharge time(Amps,25)

F.V/Time	5min	10min	15min	30min	45min	1h	2h	3h	4h	5h	8h	10h
1.60V	378	320	302	231	159	128	77.2	56.4	45.5	38.3	26.4	21.7
1.65V	333	294	284	213	152	122	75.2	55.2	44.5	37.6	26.0	21.4
1.70V	320	277	271	196	143	115	72.4	53.6	43.6	37.1	25.6	21.0
1.75V	305	263	257	182	136	111	70.0	52.0	42.4	36.0	25.2	20.6
1.80V	293	249	242	173	127	104	66.8	50.4	40.8	35.2	24.5	20.0
1.85V	260	221	215	157	115	93.6	60.4	47.6	39.0	33.6	23.8	19.4

Certificate

ISO9001

CE

Compliant standards:

GB/T 22473-2008

GB/T 19638.2-2005

YD/T799-2002

IEC61427-2005

GB/T 19001-2016 idt ISO 9001:2015

EN IEC 61000-6-2:2019,EN IEC 61000-6-4:2019

EN IEC 61000-3-2:2019+AI:2021

EN 61000-3-3:2013+AI:2019



Figure 1 is a line graph showing Discharge Voltage (V/Cell) on the y-axis versus Time (Min/Hours) on the x-axis. The y-axis ranges from 1.33 to 2.17 V/Cell. The x-axis is split into two sections: minutes (0 to 60) and hours (3 to 20). Five discharge curves are plotted for different rates: 1CA, 0.55CA, 0.25CA, 0.1CA, and 0.05CA. The 1CA curve shows a sharp drop in voltage after approximately 15 minutes. The 0.55CA curve shows a gradual decline over 60 minutes. The 0.25CA, 0.1CA, and 0.05CA curves show very little voltage drop over their respective time periods.

Discharge Rate	Time (Min)	Discharge Voltage (V/Cell)
1CA	0	~1.78
	15	~1.60
0.55CA	0	~2.02
	60	~1.70
0.25CA	0	~2.05
	3	~1.75
0.1CA	0	~2.08
	10	~1.78
0.05CA	0	~2.10
	20	~1.75

Figure 1 is a line graph showing the relationship between Life (years) on the Y-axis and Temperature ($^{\circ}\text{C}$) on the X-axis. The Y-axis ranges from 0 to 25 with major grid lines every 5 units and minor grid lines every 1 unit. The X-axis ranges from 10 to 50 with major grid lines every 10 units and minor grid lines every 2 units. Two curves are plotted, both showing a decrease in life as temperature increases. The upper curve starts at approximately 22.5 years at 15 $^{\circ}\text{C}$ and ends at approximately 2.5 years at 52 $^{\circ}\text{C}$. The lower curve starts at approximately 20.5 years at 15 $^{\circ}\text{C}$ and ends at approximately 1.5 years at 52 $^{\circ}\text{C}$. A label "2.25V/Cell" is placed near the curves.

Storage time (months)	Capacity (%) at 10°C	Capacity (%) at 20°C	Capacity (%) at 40°C
0	100	100	100
2	98	90	80
4	95	82	65
6	92	75	50
8	88	70	-
10	85	65	-
12	82	60	-
14	80	58	-
16	78	55	-
18	76	50	-
20	75	-	-

Depth of discharge (%)	Cycle life
20	2900
30	2100
40	1500
50	1100
60	850
70	650
80	500
90	450
100	400

Temperature (°C)	Capacity (%)
-20	48
-10	65
0	80
10	90
20	98
30	105
40	108
45	110

