

CL 2-1200

Applications

- Telecommunications
- UPS、 Data Rooms
- Emergency Lighting、 Security
- Energy Storage 、 Electric Systems
- New Energy Systems

General Features

- Under 25°C, the designed floating life is up to 16 years.
- Special exhaust structure and sealing technology, safe and reliable, flexible installation, convenient maintenance.

Standards

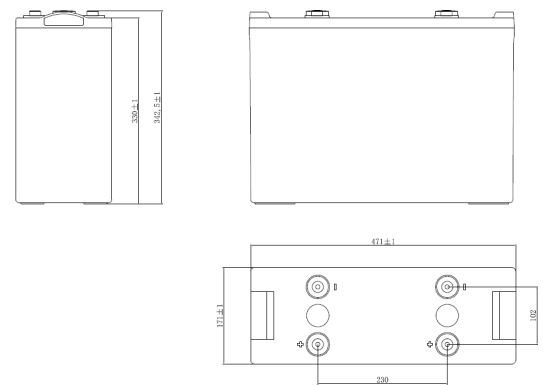
- Compliance with IEC 60896,GB/T19638, YD/T 799 and DL/T 637 standards
- UL Certified,TLC Certified,CE Certified
- Manufactured in OHSAS 18001,ISO 9001 and ISO 14001 certified production facilities.

Specifications

Rated Voltage	2V		
Nominal Capacity(C ₁₀ ,1.80V/cell)	1200Ah		
Dimension	Length	471±2mm (18.5 inches)	
	Width	171±2mm (6.73 inches)	
	Container Height	330±2mm (13.0 inches)	
	Total Height	343±2mm (13.5 inches)	
Approx Weight	61.0kg (134.5 lbs)		
Terminal	M8		
Container Material	ABS		
Rated Capacity(25°C)	1272 Ah	C20(63.6A,1.80V/cell)	
	1200Ah	C10(120.0A,1.80V/cell)	
	1050Ah	C5(210.0A,1.75V/cell)	
	936Ah	C3(312.0A,1.75V/cell)	
	755Ah	C1(755.0A,1.60V/cell)	
Max. Discharge Current	9600A (5s)		
Internal Resistance(25°C)	Approx 0.30mΩ		
Operating Temp. Range	Discharge	-20~55°C (-4~131°F)	
	Charge	-20~40°C (-4~104°F)	
	Storage	-15~50°C (5~122°F)	
Nominal Operating Temp. Range	25±5°C (77±5°F)		
Max.Charging Current(25°C)	360A		
Charge voltage(25°C)	Float	2.23~2.27V	-3mV/°C
	Equalization	2.30~2.40V	-4mV/°C
	Cycle	2.35~2.40V	-5mV/°C
	40°C (104°F)		106%
Effect of temp. to Capacity	25°C (77°F)		100%
	0°C (32°F)		86%
Self Discharge	≤3%/月 @ 25°C		



Layout



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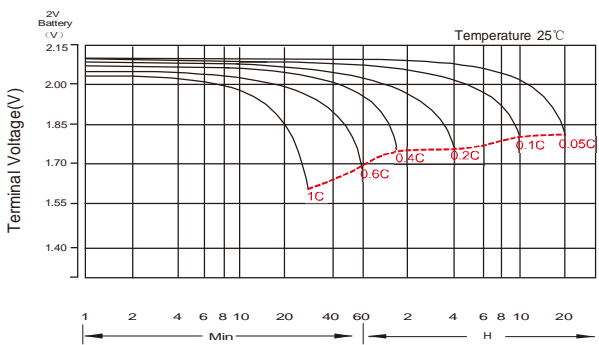
(A) 25°C Constant Current Discharge

F.V/Time	30min	45min	1h	1.5h	2h	3h	4h	5h	6h	8h	10h	20h
1.85V/cell	813.8	643.4	592.8	455.7	369.2	280.9	225.9	190.6	165.5	134.5	112.4	60.3
1.80V/cell	920.1	719.5	656.0	498.6	401.7	303.9	243.5	205.3	177.5	144.0	120.0	63.6
1.75V/cell	961.6	748.7	680.3	515.4	414.0	312.0	249.6	210.0	181.2	146.6	121.9	64.4
1.70V/cell	1026.8	777.1	705.3	532.8	427.2	321.1	255.9	214.8	185.1	149.2	123.8	65.2
1.67V/cell	1097.8	794.6	720.0	542.4	434.3	326.0	259.4	217.5	187.3	150.8	124.9	65.7
1.60V/cell	1110.4	835.6	755.0	566.6	452.4	338.0	268.1	224.1	192.6	154.3	127.5	66.9

(W/cell) 25°C Constant Power Discharge

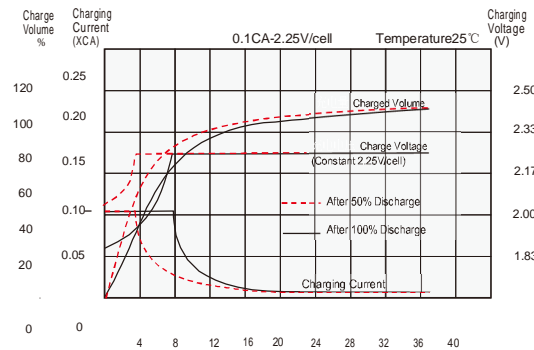
F.V/Time	30min	45min	1h	1.5h	2h	3h	4h	5h	6h	8h	10h	20h
1.85V/cell	1490.1	1181.9	1037.0	799.7	649.4	495.6	399.6	337.8	293.7	265.8	222.5	119.9
1.80V/cell	1670.5	1311.9	1139.9	870.0	703.0	534.1	429.2	362.7	314.2	283.9	237.1	126.4
1.75V/cell	1731.2	1354.8	1173.7	893.8	720.6	546.0	438.3	369.8	319.9	288.5	240.4	127.9
1.70V/cell	1831.8	1395.1	1208.4	918.5	739.7	559.3	447.7	377.1	325.9	293.0	243.8	129.4
1.67V/cell	1939.6	1419.3	1227.8	931.5	749.4	566.2	452.8	381.0	329.2	295.7	245.7	130.3
1.60V/cell	1945.0	1476.9	1275.4	965.1	774.9	583.6	465.5	390.9	337.1	301.8	250.2	132.5

Discharge Characteristics



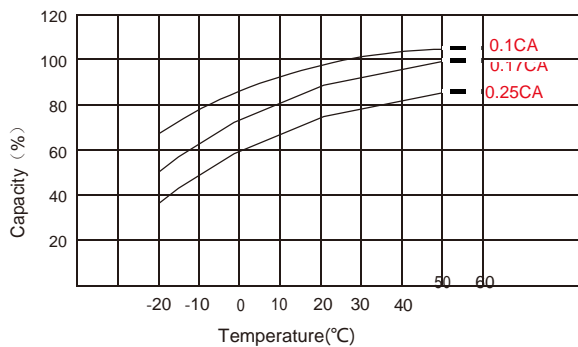
Discharge Time

Float Charging Characteristics



Charging Time(hours)

Temperature Effects in Relation to Battery Capacity



Temperature Effects on Long Term Float Life

