

VRLA AGM Battery

CL 2-1200 [2V1200Ah]



General Features

- Designed floating charging service life: 15 years (25°C)
- Sealed and maintenance free operation
- Safety valve installation for explosion proof
- Low self-discharge characteristic
- Wide operating temperature range from 0°C~40°C
- Lead Aluminum calcium Tin alloy high energy, prevent corrosion

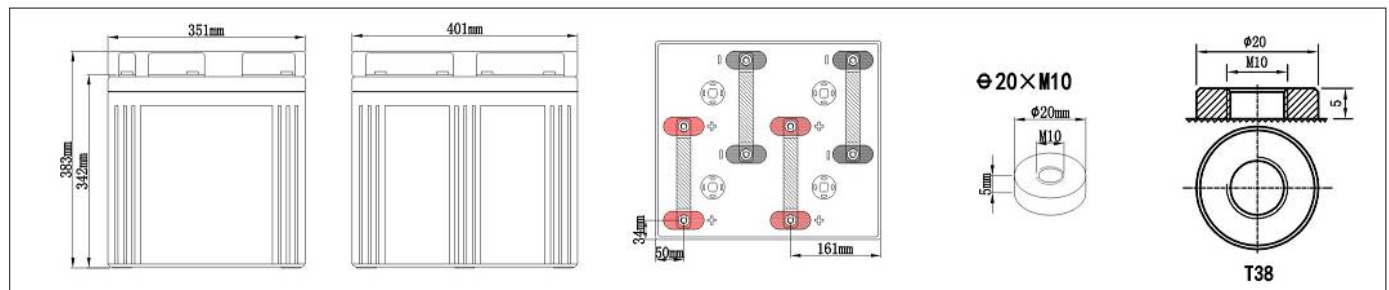
Application

- DC power supply
- Medical equipments
- UPS/EPS power supply
- Telecom stations and power stations

Physical Specifications

Nominal Voltage	Nominal Capacity (10HR)	Dimension				Weight ±2%	Internal Resistance (In full charge status)	Standard Terminals
		L	W	H	TH			
2V	1200AH	401±3mm	351±3mm	342±3mm	383±3mm	Approx 83.5kg (184.1lbs)	≈0.40 mΩ	T38 (standard)

Dimensions



Constant-Voltage Charge

Rated Capacity	
20 hour rate (60A)	1256AH
10 hour rate (120A)	1200AH
5 hour rate (204A)	1050AH
3 hour rate (300A)	918AH
1 hour rate (720A)	727AH
Capacity affected by Temperature	
40°C(104°F)	103%
25°C(77°F)	100%
0°C(32°F)	86%

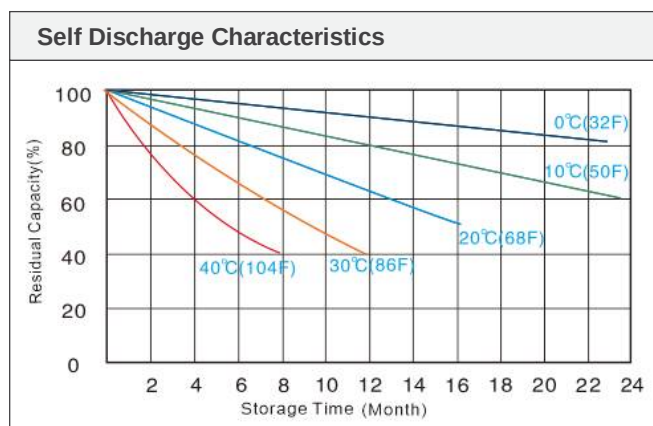
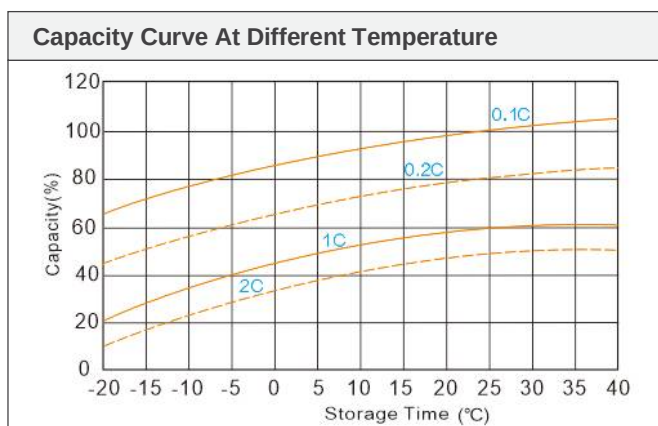
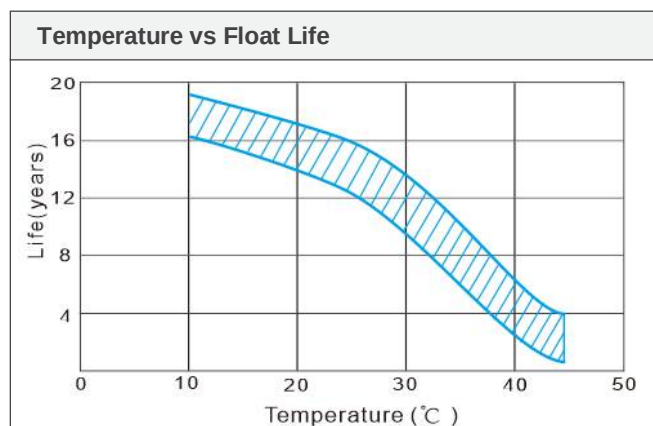
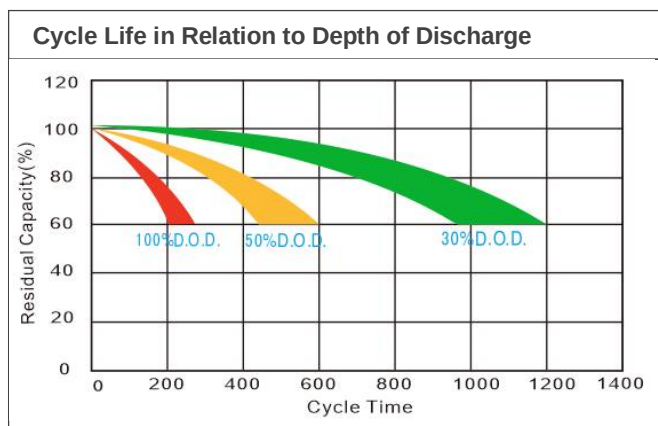
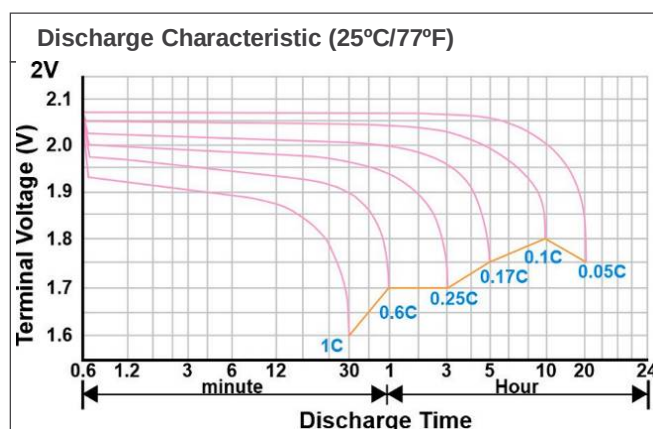
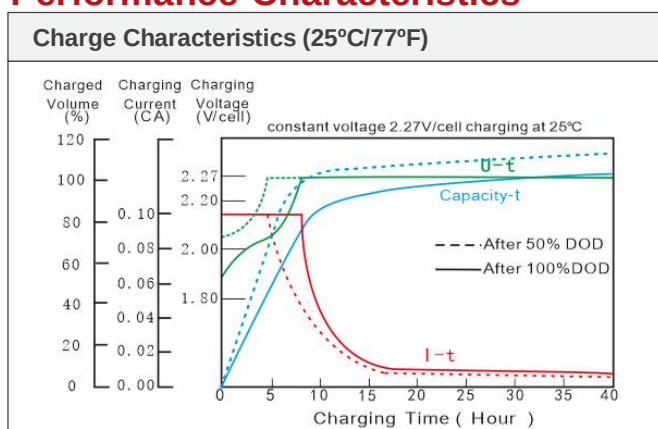
Cycle Application
1. Limit initial current less than 240A.
2. Charge until battery voltage (under charge) reaches 2.30V to 2.35V at 25°C(77°F).
3. Hold at 2.30V to 2.35V until current drop to under 7.2A for at least 3 hours.
4. Temperature compensation coefficient of charging voltage is -5mV/°C.
Standby Service
1. Hold battery across constant voltage source of 2.26 to 2.28 volts with current limit 240A continuously. When held at this voltage, the battery will seek its own current level and maintain itself in a fully charge status.
2. Temperature compensation coefficient of charging voltage is -3mV/°C.

NOTE : The battery should be charged within 6 months of storage, Otherwise, permanent loss of capacity might occur as a result of sulfation

Battery Discharge Table

End Voltage (V)	Minute (M)				Hour (H)							
	10	15	30	45	1	1.5	2	3	5	8	10	20
Constant Current Discharge Data Sheet (@25°C) Unit: A												
1.60V	2440	2229	1431	997	727	587	489	322	225	163	125	64.7
1.65V	2323	2123	1361	962	704	572	477	313	220	159	124	64.1
1.70V	2217	2018	1291	927	692	558	466	306	215	157	122	63.4
1.75V	2112	1924	1232	904	669	544	454	299	210	153	121	62.8
1.80V	2006	1830	1173	868	657	531	444	292	205	151	120	62.2
Constant Power Discharge Data Sheet (@25°C) Unit: W												
1.60V	4441	4055	2283	1851	1420	949	881	511	424	325	261	147
1.65V	4236	3861	2169	1783	1385	925	858	499	414	318	258	146
1.70V	4032	3680	2067	1726	1351	903	835	486	403	312	256	143
1.75V	3839	3509	1965	1670	1317	881	813	474	394	306	254	142
1.80V	3657	3339	1874	1613	1284	869	802	462	384	300	251	141

Performance Characteristics



☆The datasheet subjects to change without prior notice, please contact with us if have any questions.