

VRLA AGM Battery

CL 2-1500 [2V1500Ah]



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

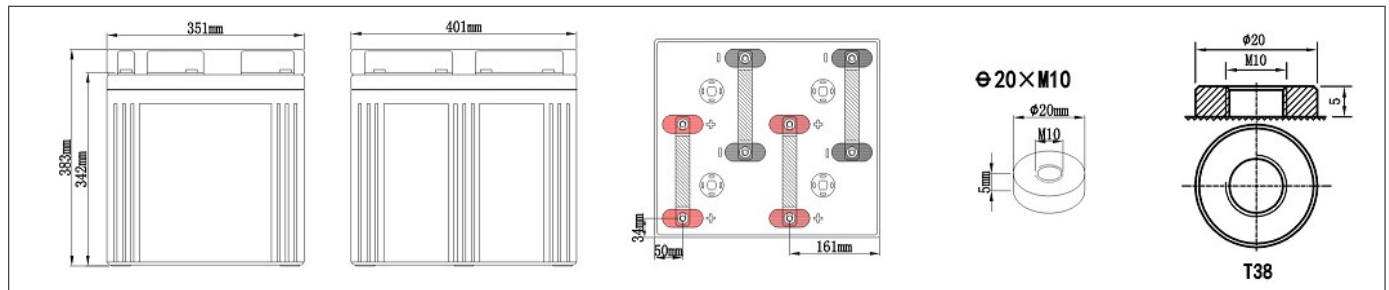
Application

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

Physical Specifications

Nominal Voltage	Nominal Capacity (10HR)	Dimension				Weight $\pm 2\%$	Internal Resistance (In full charge status)	Standard Terminals
		L	W	H	TH			
2V	1500AH	401 $\pm$ 3mm	351 $\pm$ 3mm	342 $\pm$ 3mm	383 $\pm$ 3mm	Approx 93.0kg (204.6lbs)	$\approx 0.36 \text{ m}\Omega$	T38 (standard)

Dimensions



Constant-Voltage Charge

Rated Capacity	
20 hour rate (75A)	1592AH
10 hour rate (150A)	1520AH
5 hour rate (255A)	1330AH
3 hour rate (375A)	1191AH
1 hour rate (900A)	939AH
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 300A.
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 9.0A for at least 3 hours.
4. Temperature compensation coefficient of charging voltage is -5mV/°C.

Standby Service

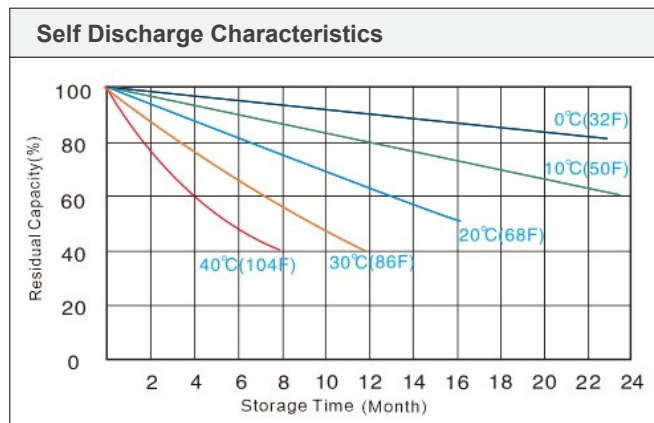
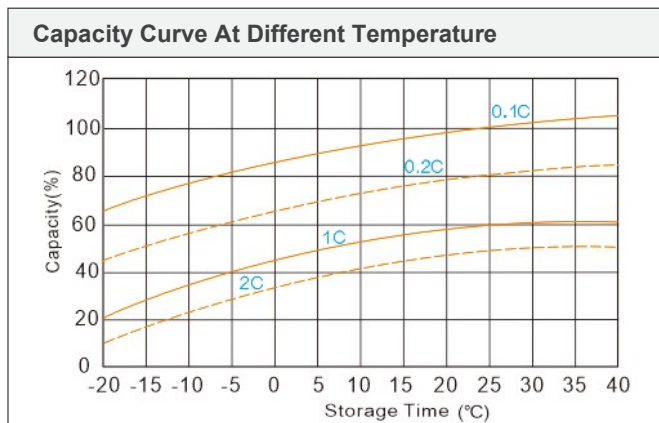
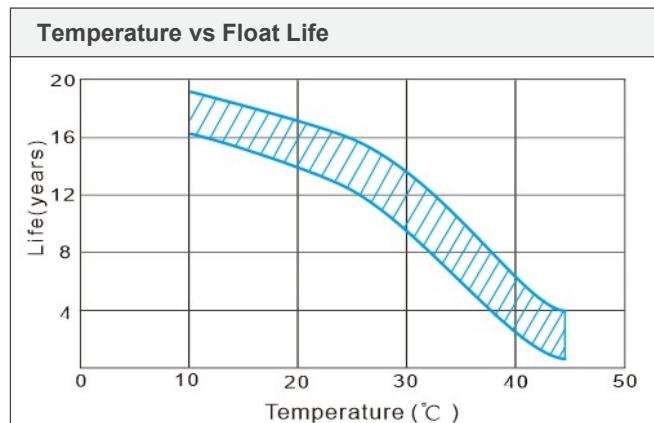
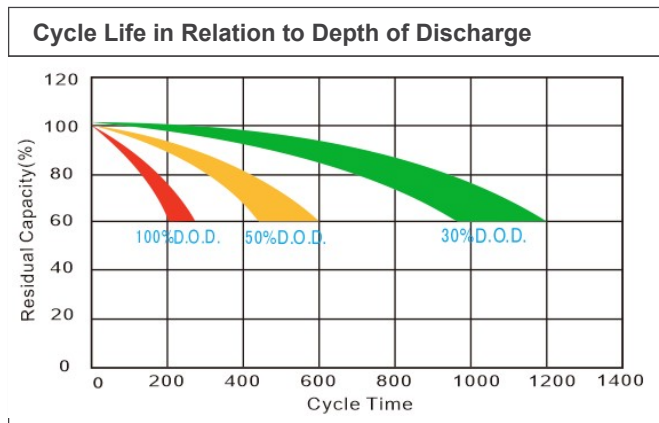
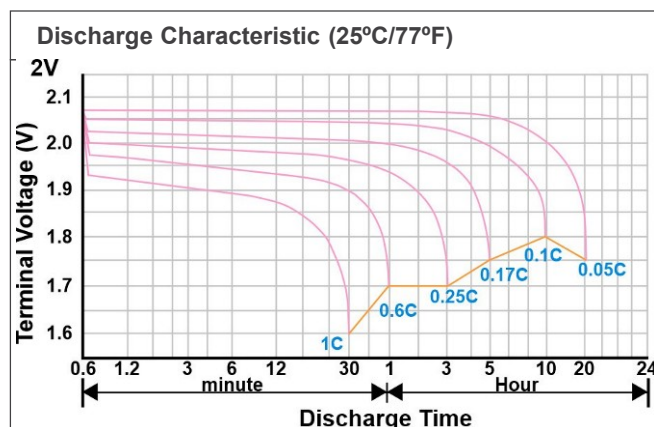
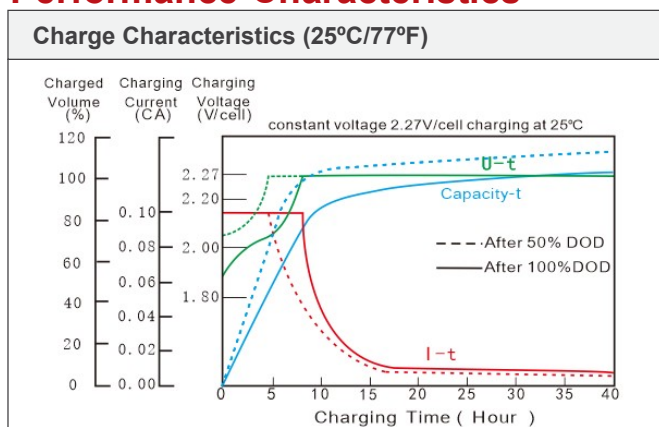
1. Hold battery across constant voltage source of 2.26 to 2.28 volts with current limit 300A continuously. When held at this voltage, the battery will seek its own current level and maintain itself in a fully charge status.
2. Temperature compensation coefficient of charging voltage is -3mV/°C.

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	3151	2879	1848	1288	939	760	633	417	285	206	158	82.0
1.65V	3000	2742	1757	1242	909	741	618	406	279	202	157	81.2
1.70V	2863	2606	1667	1197	894	723	603	397	272	199	155	80.3
1.75V	2727	2485	1591	1167	864	705	588	387	266	194	154	79.6
1.80V	2591	2363	1515	1121	848	688	575	378	260	191	152	78.8
Constant Power Discharge Data Sheet (@25°C) Unit: W												
1.60V	5924	5409	3045	2469	1894	1273	1182	687	535	411	329	185
1.65V	5651	5151	2894	2379	1848	1242	1151	670	523	402	326	184
1.70V	5378	4909	2757	2303	1803	1212	1121	653	509	394	323	181
1.75V	5121	4681	2621	2227	1757	1182	1091	636	497	387	320	179
1.80V	4878	4454	2500	2151	1712	1167	1076	621	485	379	317	178

Performance Characteristics



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