

VRLA AGM Battery

CL 2-3000 [2V3000Ah]



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

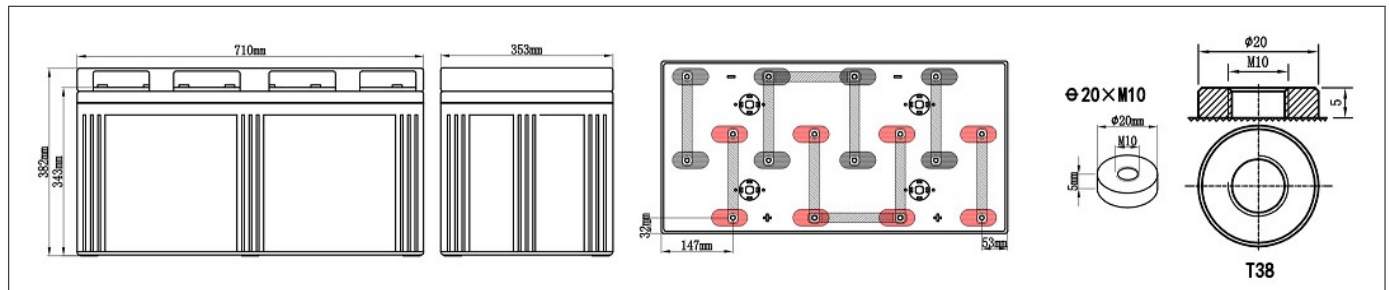
Application

- 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	3000AH	710±3mm	353±3mm	343±3mm	382±3mm	Approx 188kg (413.6lbs)	≈0.27mΩ	T38 (standard)

Dimensions



Constant-Voltage Charge

Rated Capacity	
20 hour rate (150A)	3200AH
10 hour rate (300A)	3030AH
5 hour rate (510A)	2650AH
3 hour rate (750A)	2382AH
1 hour rate (1800A)	1879AH
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 600A.
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 18.0A for at least 3 hours.
4. Temperature compensation coefficient of charging voltage is -5mV/°C.

Standby Service

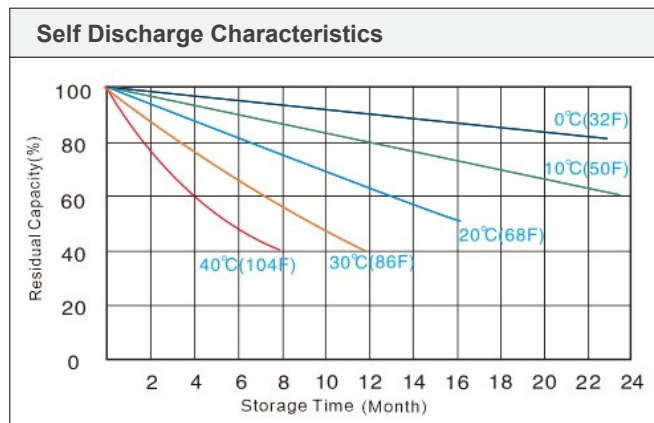
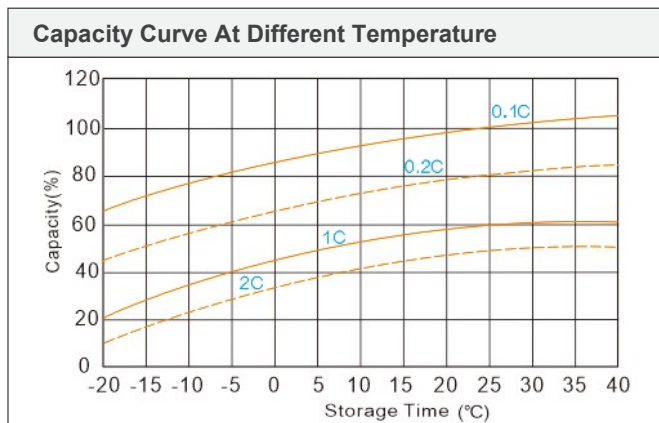
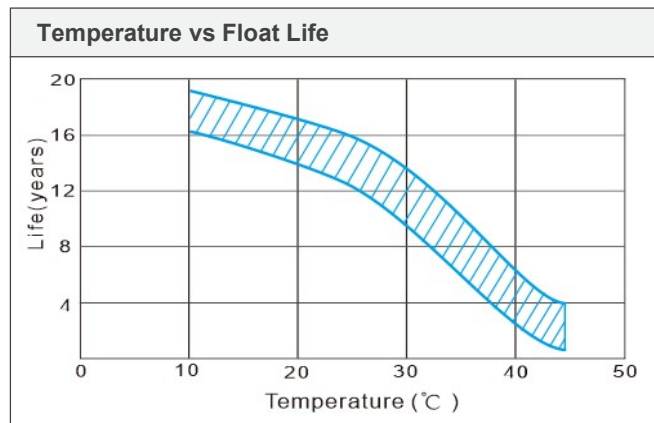
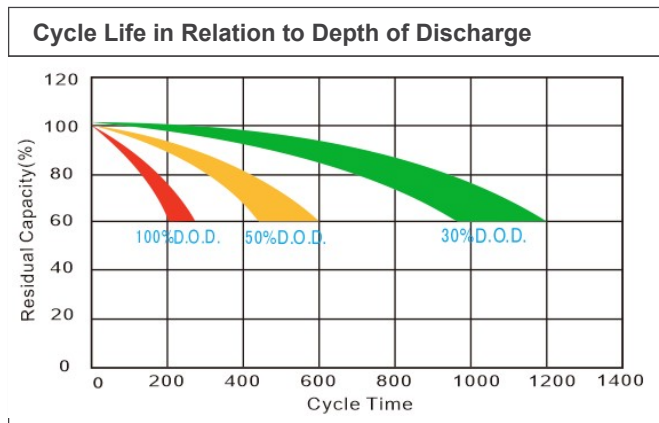
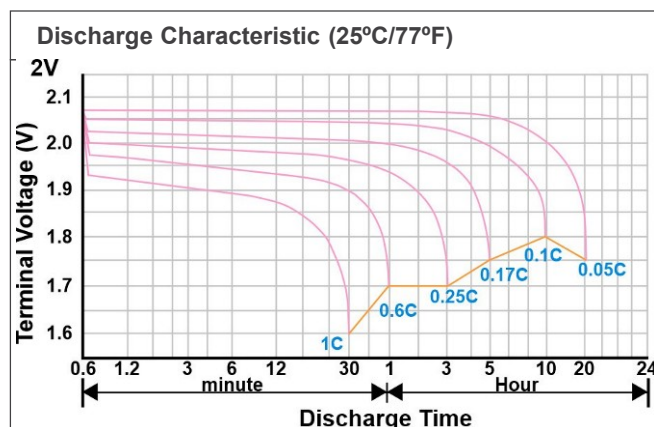
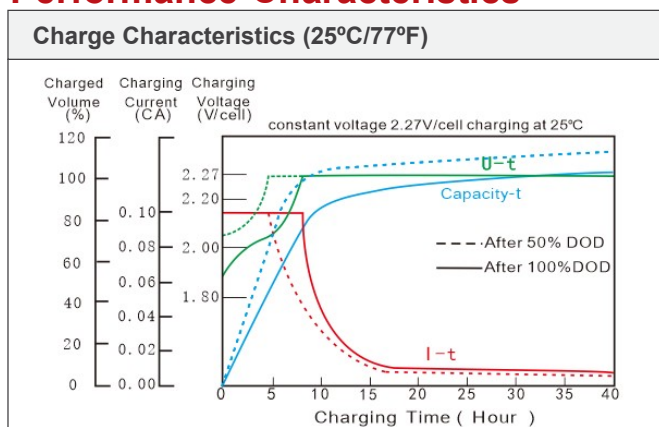
1. Hold battery across constant voltage source of 2.26 to 2.28 volts with current limit 600A continuously. When held at this voltage, the battery will seek its own current level and maintain itself in a fully charge status.
2. Temperature compensation coefficient of charging voltage is -3mV/°C.

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	6302	5757	3697	2576	1879	1518	1267	833	570	412	315	164
1.65V	5999	5484	3515	2485	1818	1482	1236	812	558	403	312	163
1.70V	5727	5212	3333	2394	1788	1445	1206	794	542	397	309	161
1.75V	5454	4969	3182	2333	1727	1409	1176	773	530	388	306	160
1.80V	5181	4727	3030	2242	1697	1376	1148	754	518	382	303	158
Constant Power Discharge Data Sheet (@25°C) Unit: W												
1.60V	11847	10817	6090	4939	3788	2545	2363	1373	1070	821	658	370
1.65V	11302	10302	5787	4757	3697	2485	2303	1339	1045	803	651	367
1.70V	10757	9817	5515	4606	3606	2424	2242	1306	1018	788	645	361
1.75V	10241	9363	5242	4454	3515	2363	2182	1273	994	773	639	358
1.80V	9757	8908	5000	4303	3424	2333	2151	1242	970	758	633	355

Performance Characteristics



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