

VRLA AGM Battery

CL 2-2000 [2V2000Ah]



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

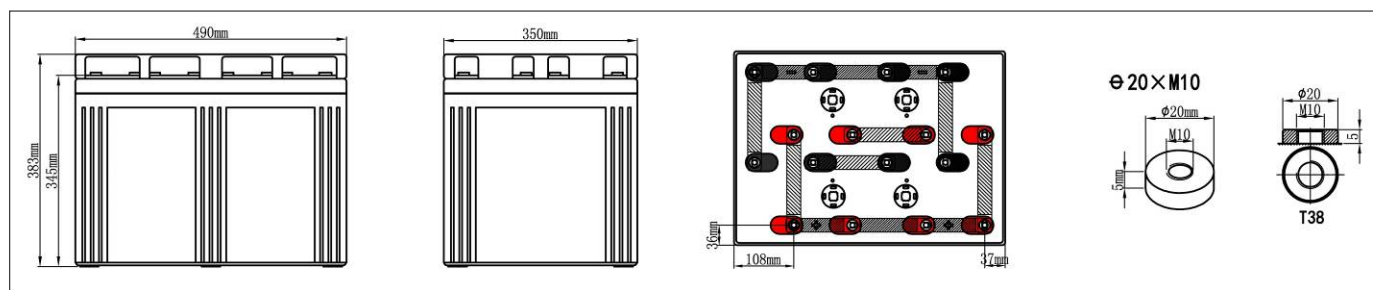
Application

- 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	2000AH	490±5mm	350±3mm	345±3mm	383±3mm	Approx 123.0kg (270.6lbs)	≈0.33 mΩ	T38 (standard)

Dimensions



Constant-Voltage Charge

Rated Capacity	
20 hour rate (100A)	2120AH
10 hour rate (200A)	2020AH
5 hour rate (340A)	1770AH
3 hour rate (500A)	1587AH
1 hour rate (1200A)	1252AH
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 400A.
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 12.0A for at least 3 hours.
4. Temperature compensation coefficient of charging voltage is -5mV/°C.

Standby Service

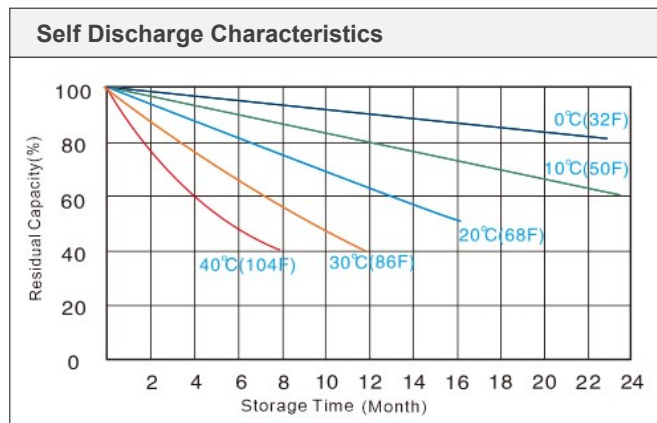
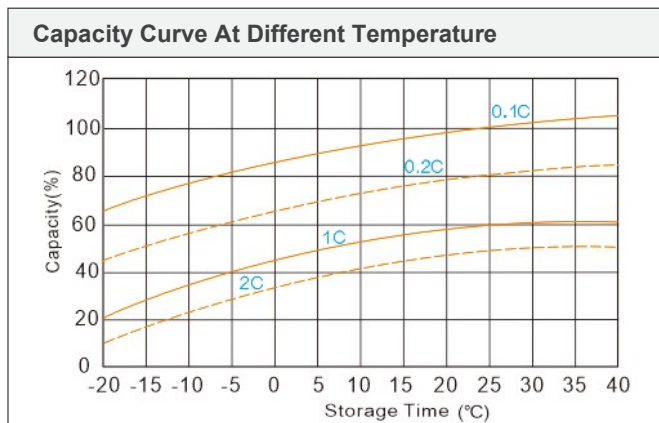
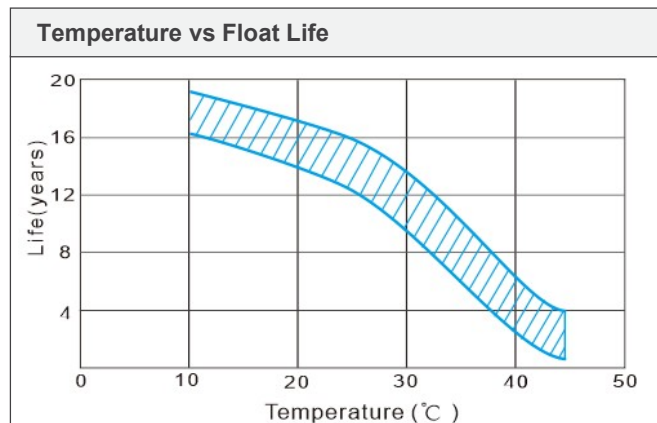
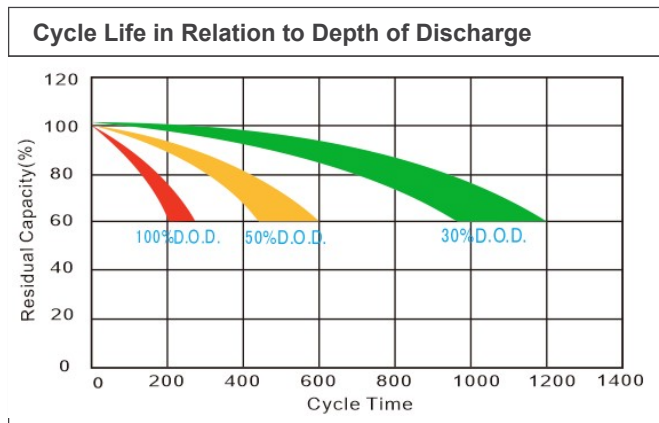
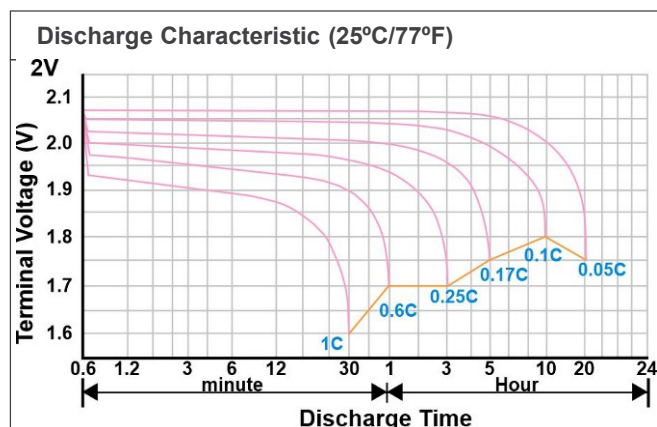
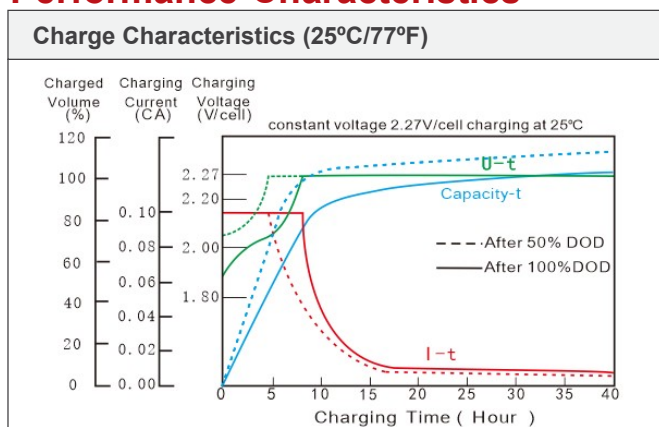
1. Hold battery across constant voltage source of 2.26 to 2.28 volts with current limit 400A continuously. When held at this voltage, the battery will seek its own current level and maintain itself in a fully charge status.
2. Temperature compensation coefficient of charging voltage is -3mV/°C.

 **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	4202	3838	2464	1717	1252	1012	844	556	380	275	210	109
1.65V	4000	3656	2343	1656	1212	988	824	541	372	269	208	108
1.70V	3818	3474	2222	1596	1192	964	804	529	362	265	206	107
1.75V	3636	3313	2121	1555	1151	939	784	515	354	259	204	106
1.80V	3454	3151	2020	1495	1131	917	766	503	345	255	202	105
Constant Power Discharge Data Sheet (@25°C) Unit: W												
1.60V	7898	7211	4060	3293	2525	1697	1576	915	713	547	438	246
1.65V	7535	6868	3858	3171	2464	1656	1535	893	697	535	434	244
1.70V	7171	6545	3676	3070	2404	1616	1495	871	679	525	430	240
1.75V	6828	6242	3495	2969	2343	1576	1454	848	663	515	426	238
1.80V	6504	5939	3333	2868	2283	1555	1434	828	646	505	422	236

Performance Characteristics



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