



DATASHEET

CL 2-1000

2V 1000AH

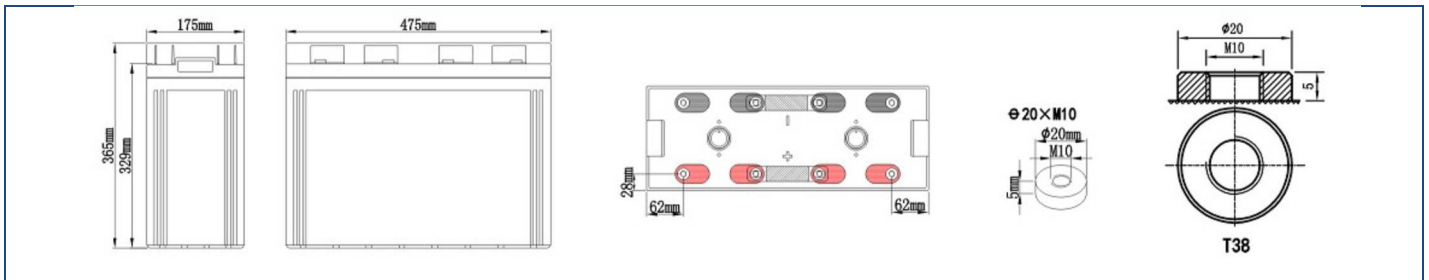
AGM SEALED VRLA BATTERY

EUROBAT 2022 CLASSIFICATION: 15 Years – Very Long Life

Designed in accordance with IEC 60896-21/22

SPECIFICATIONS

Nominal Voltage	Nominal Capacity	Dimension ±3mm				Weight ±2%	Max Discharge Current (5s)	Internal Resistance	Standard Terminal	Container Material
		L	W	H	TH					
2V	1000AH	475mm	175mm	329mm	365mm	62,2kg	-	≈0.43 mΩ	M10	ABS



CONSTANT-VOLTAGE CHARGE

Rated Capacity	
20 hour rate (15A)	1060AH
10 hour rate (30A)	1010AH
5 hour rate (51A)	885AH
3 hour rate (75A)	795AH
1 hour rate (180A)	626AH
Capacity affected by temperature	
40°C (104°F)	103%
25°C (77°C)	100%
0°C (32°F)	86%

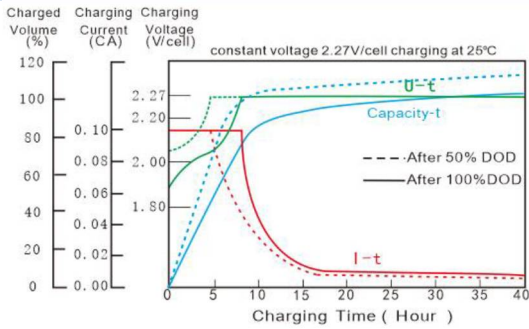
Cycle Application
1. Limit initial current less than 200A.
2. Charge until battery voltage (under charge) reaches 2.30V to 2.35V at 25°C(77°F).
3. Hold at 2.30V to 2.35V until current drop to under 6.0A for at least 3 hours.
4. Temperature compensation coefficient of charging voltage is -5mV/°C.
Standby Service
1. Hold battery across constant voltage source of 2.26 to 2.28 volts with current limit 200A 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.

Nominal Operating Temp. Range
25±3°C (77±5°F)

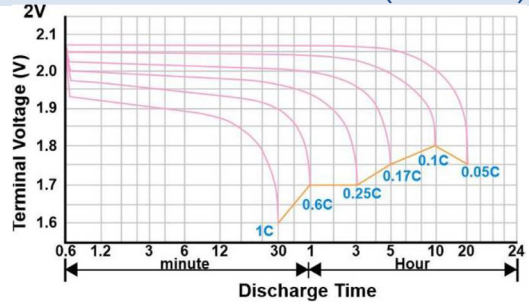
Operating Temperature
Wide operating temperature range from 0°C~40°C

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

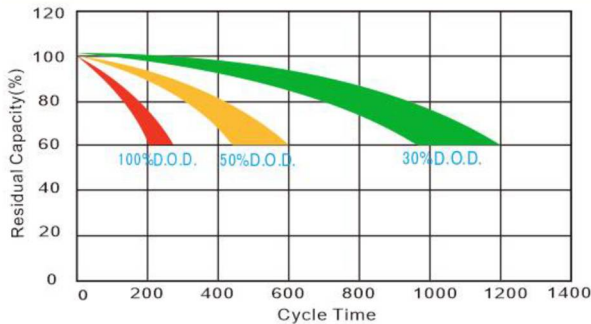
CHARGE CHARACTERISTIC (25°C/77°F)



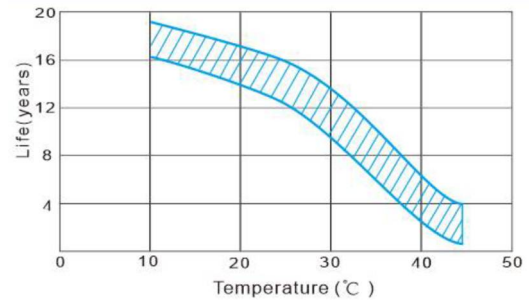
DISCHARGE CHARACTERISTIC (25°C/77°F)



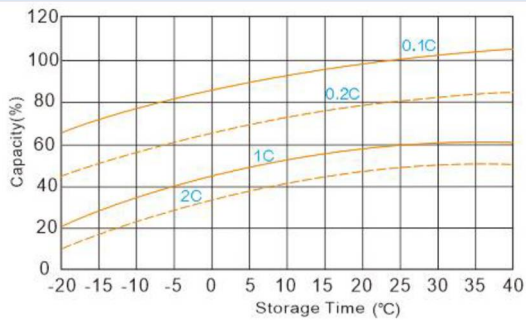
CYCLE LIFE IN RELATION TO DEPTH OF DISCHARGE



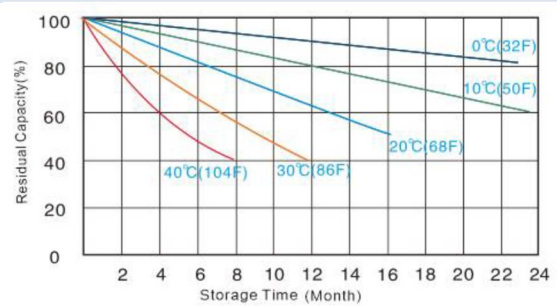
TEMPERATURE VS FLOAT LIFE



CAPACITY CURVE AT DIFFERENT TEMPERATURE



SELF DISCHARGE CHARACTERISTICS



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 (Amperes at 25°C)												
1.60V	2101	1919	1232	859	626	506	422	278	190	137	105	54.6
1.65V	2000	1828	1172	828	606	494	412	271	186	134	104	54.1
1.70V	1909	1737	1111	798	596	482	402	265	181	132	103	53.5
1.75V	1818	1656	1061	778	576	470	392	258	177	129	102	53.0
1.80V	1727	1576	1010	747	566	459	383	251	173	127	101	52.5
Constant Power Discharge Data Sheet (Watt at 25°C)												
1.60V	3949	3606	2030	1646	1263	848	788	458	357	274	219	123
1.65V	3767	3434	1929	1586	1232	828	768	446	348	268	217	122
1.70V	3586	3272	1838	1535	1202	808	747	435	339	263	215	120
1.75V	3414	3121	1747	1485	1172	788	727	424	331	258	213	119
1.80V	3252	2969	1667	1434	1141	778	717	414	323	253	211	118



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