



DATASHEET

CL 2-600

2 V 6 0 0 A H

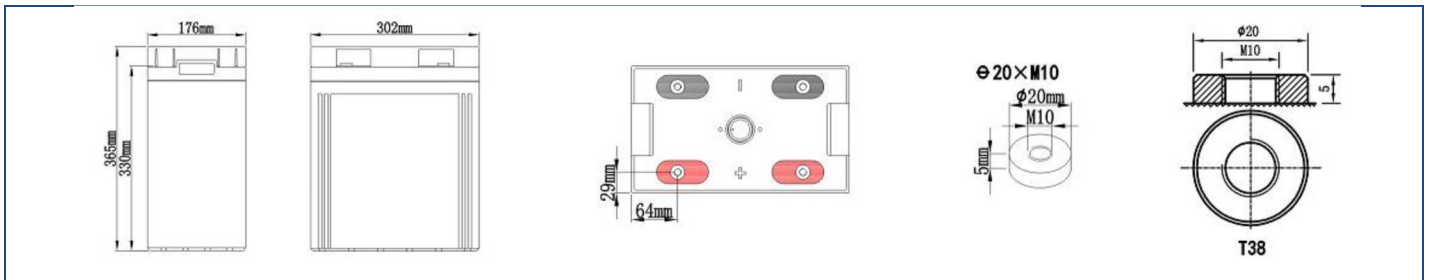
AGM SEALED VRLA BATTERY

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	600AH	302mm	176mm	330mm	365mm	37,0kg	-	≈0.59 mΩ	M10	ABS



CONSTANT-VOLTAGE CHARGE

Rated Capacity	
20 hour rate (15A)	630AH
10 hour rate (30A)	606AH
5 hour rate (51A)	515AH
3 hour rate (75A)	465AH
1 hour rate (180A)	365AH
Capacity affected by temperature	
40°C (104°F)	103%
25°C (77°C)	100%
0°C (32°F)	86%

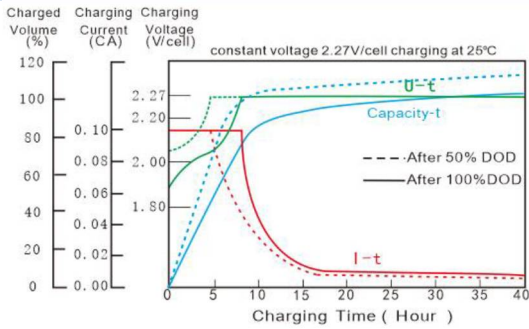
Cycle Application
1. Limit initial current less than 120A.
2. Charge until battery voltage (under charge) reaches 2.30V to 2.35V at 25°C(77°F).
3. Hold at 2.30V to 2.35V until current drop to under 3.6A for at least 3 hours.
4. Temperature compensation coefficient of charging voltage is -5mV/°C.
Standby Service
1. Hold battery across constant voltage source of 2.26 to 2.28 volts with current limit 120A 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)

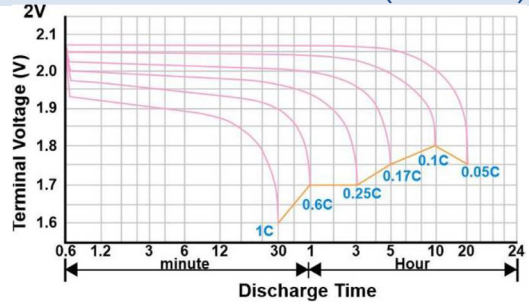
Operating Temperature
Wide operating temperature range from 0°C~40°C

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

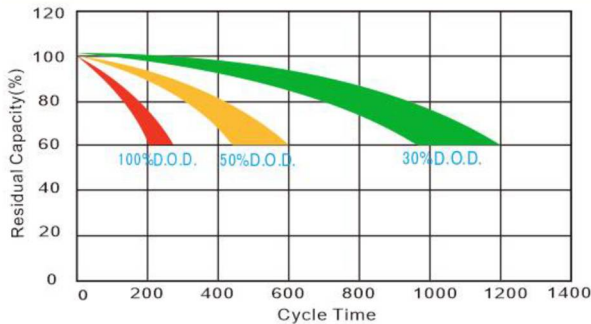
CHARGE CHARACTERISTIC (25°C/77°F)



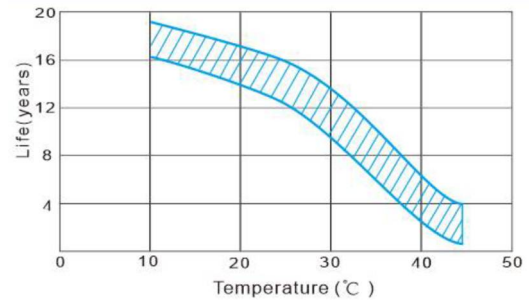
DISCHARGE CHARACTERISTIC (25°C/77°F)



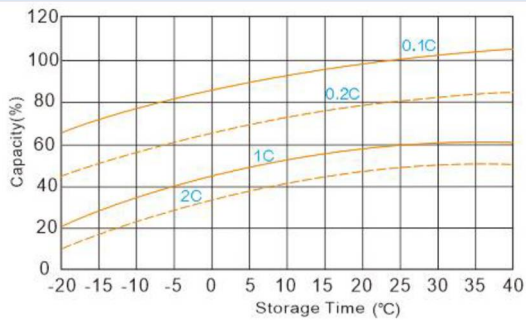
CYCLE LIFE IN RELATION TO DEPTH OF DISCHARGE



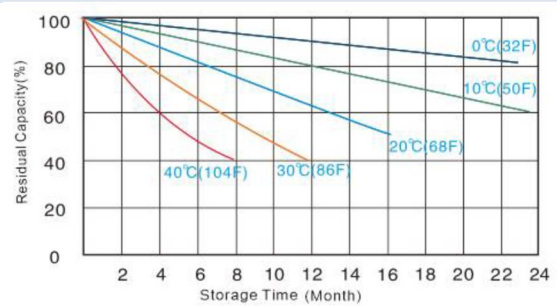
TEMPERATURE VS FLOAT LIFE



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	1203	1099	705	491	365	294	246	162	111	81	62.8	32.5
1.65V	1146	1047	671	474	352	287	240	159	108	79	62.3	32.2
1.70V	1093	995	637	458	347	280	234	155	105	78	61.7	31.8
1.75V	1041	949	607	446	334	274	228	150	103	76	61.2	31.5
1.80V	990	902	579	428	329	267	222	146	102	75	60.6	31.2
Constant Power Discharge Data Sheet (Watt at 25°C)												
1.60V	2298	2098	1181	957	735	494	459	267	212	163	130	73.5
1.65V	2192	1998	1122	922	717	482	447	260	207	159	129	72.9
1.70V	2086	1904	1070	893	699	470	435	254	202	156	128	71.7
1.75V	1987	1817	1017	864	682	459	423	247	197	153	127	71.1
1.80V	1892	1729	970	835	664	452	417	241	192	150	125	70.5



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