



GEL VALVE REGULATED RECHARGEABLE BATTERY

MODEL: G2-1000(2V 1000AH)

SOLAR BATTERY

**LEGACY CANADIAN PRODUCTS
DESIGNED IN CANADA,
ASSEMBLED IN CHINA**

@ www.connectinglegacy.com

1.PRODUCT DIMENSIONS



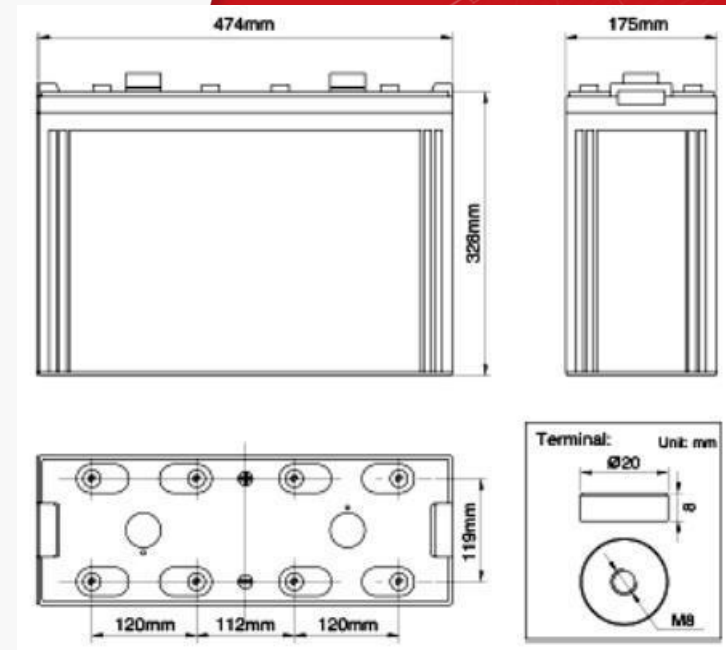
G2-1000(2V 1000AH)

BATTERY DIMENSION (MM)	LENGTH	474
	WIDTH	175
	HEIGHT	328
	TOTAL HEIGHT	366
BOX DIMENSION (MM)	LENGTH	489
	WIDTH	189
	HEIGHT	422
QUANTITY PER BOX		1 PC
N.W PER CELL (KG)±900g		62.0
N.W PER BOX (KG)		62.0
G.W PER BOX (KG)		63.0

2.PRODUCT CHARACTERISTICS

G2-1000(2V 1000AH)


NOMINAL VOLTAGE		2V
NOMINAL CAPACITY (10 HOUR RATE)		1000AH
CAPACITY @25°C (77°F)	20 HOUR RATE(53.0A)	1060.0AH
	5 HOUR RATE(176.8A)	884.0AH
	1 HOUR RATE(550.0A)	550.0AH
CYCLE LIFE(@25°C)	100%DOD	500 TIMES
	50%DOD	1000 TIMES
	30%DOD	1680 TIMES
DESIGN LIFE	15 YEARS	
SELF-DISCHARGE(@25°C)	< 3%/MONTH	
INTERNAL RESISTANCE	FULL CHARGED BATTERY 25°C ≤0.19mΩ	
CHARGE (CONSTANT VOLTAGE) @25°C(77°F)	FLOAT	INITIAL CHARGING CURRENT LESS THAN 150A VOLTAGE 2.23-2.27V
	CYCLE	INITIAL CHARGING CURRENT LESS THAN 150A VOLTAGE 2.33-2.37V



TERMINAL: M8


3.DISCHARGE CONSTANT CURRENT PER CELL

F.V/TIME	5MIN	10MIN	15 MIN	30MIN	45MIN	1H	2H	3H	5H	8H	10H	20H
1.60V	2794	1804	1496	990	737	550	429	275.0	187.0	123.2	110.0	58.3
1.65V	2743	1771	1469	972	724	540	421	270.0	183.6	121.0	108.0	57.2
1.70V	2692	1738	1442	954	710	530	413	265.0	180.2	118.7	106.0	56.2
1.75V	2642	1706	1414	936	697	520	406	260.0	176.8	116.5	104.0	55.1
1.80V	2540	1640	1360	900	670	500	390	250.0	170.0	112.0	100.0	53.0



**Amperes at
(77°F/25°C)**

F.V/TIME	5MIN	10MIN	15 MIN	30MIN	45MIN	1H	2H	3H	5H	8H	10H	20H
1.60V	5378	3473	2880	1906	1419	1059	826	529.4	360.0	237.2	211.8	112.2
1.65V	5281	3410	2827	1871	1393	1040	811	519.8	353.4	232.8	207.9	110.2
1.70V	5183	3346	2775	1836	1367	1020	796	510.1	346.9	228.5	204.1	108.1
1.75V	5085	3283	2723	1802	1341	1001	781	500.5	340.3	224.2	200.2	106.1
1.80V	4890	3157	2618	1733	1290	963	751	481.3	327.3	215.6	192.5	102.0



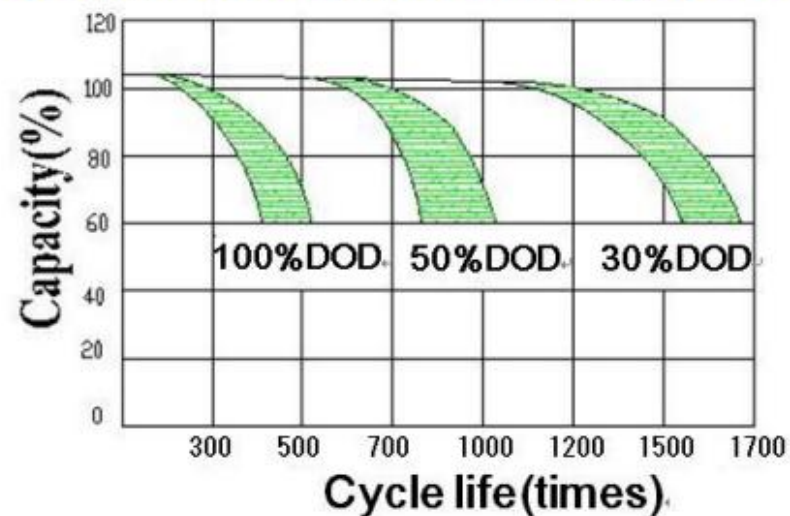
**Watts at
(77°F/25°C)**

COMPONENT	POSITIVE PLATE	NEGATIVE PLATE	CONTAINER	COVER	SATETY VALVE	TERMINAL	SEPERATOR	ELECTROLYTE
RAW MATERIAL	LEAD DIOXIDE	LEAD	ABS	ABS	SI-RUBBER	COPPER	FIBERGLASS	GEL

**Battery
Construction**

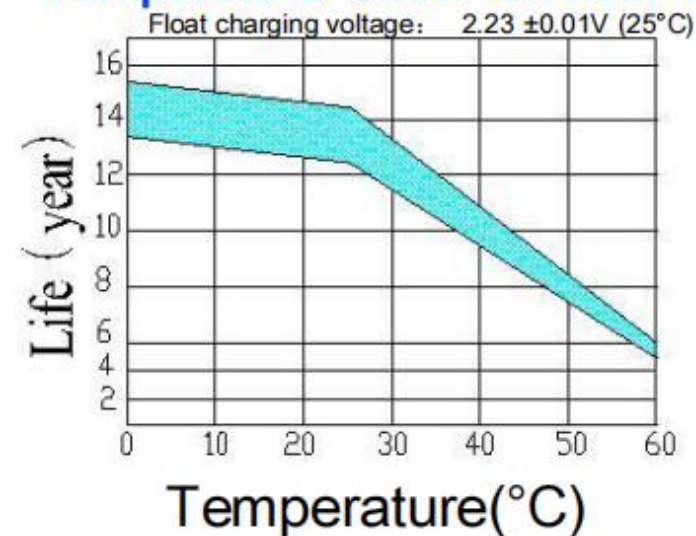
4. PERFORMANCE CHARACTERISTICS

Cycle life vs. Depth of discharge (25°C)



**CYCLE LIFE: 100%DOD 500TIMES
(@25°C) 50%DOD 1000TIMES
30%DOD 1680TIMES**

Temperature effect on float life



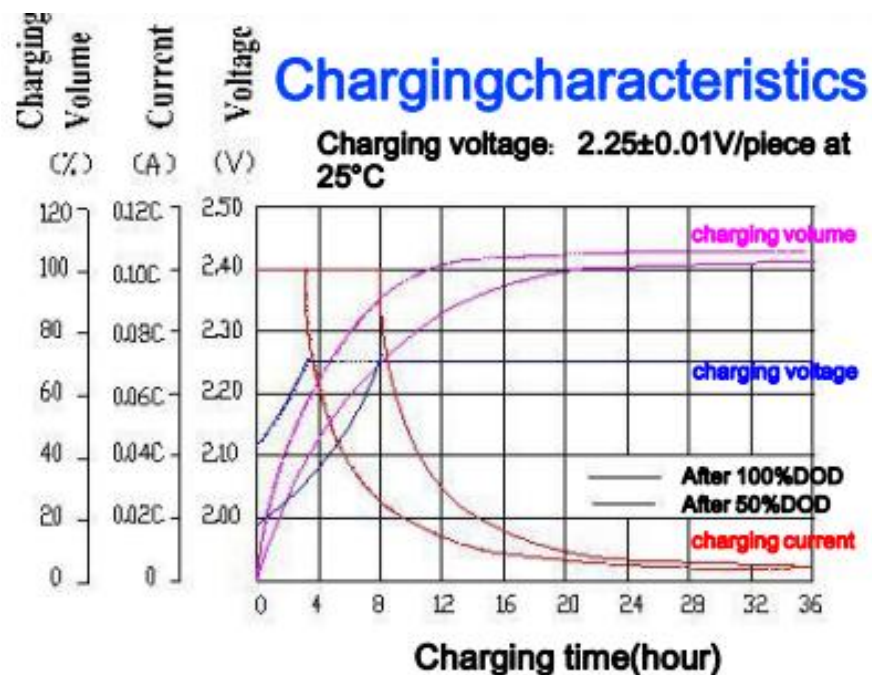
DESIGN LIFE: UP TO 15 YEARS

WARRANTY: 4 YEARS

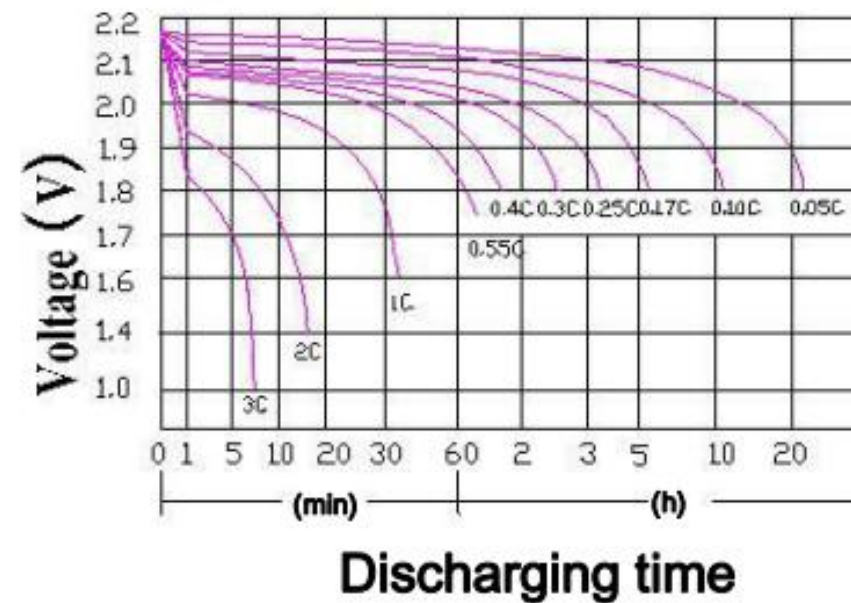
*Note:1)The above datas are average values, and can be obtained within 3 charge/ discharge cycles. These are not minimum values.
2)Cell and battery designs/specifications are subject to modification without notice.*

LEGACY CANADIAN PRODUCTS DESIGNED IN CANADA,ASSEMBLED IN CHINA

5. CHARGE AND DISCHARGE CHARACTERISTICS



Discharge characteristics (25°C)



FLOAT TEMPERATURE COMPENSATION COEFFICIENT(25°C): -4mV/Cell C

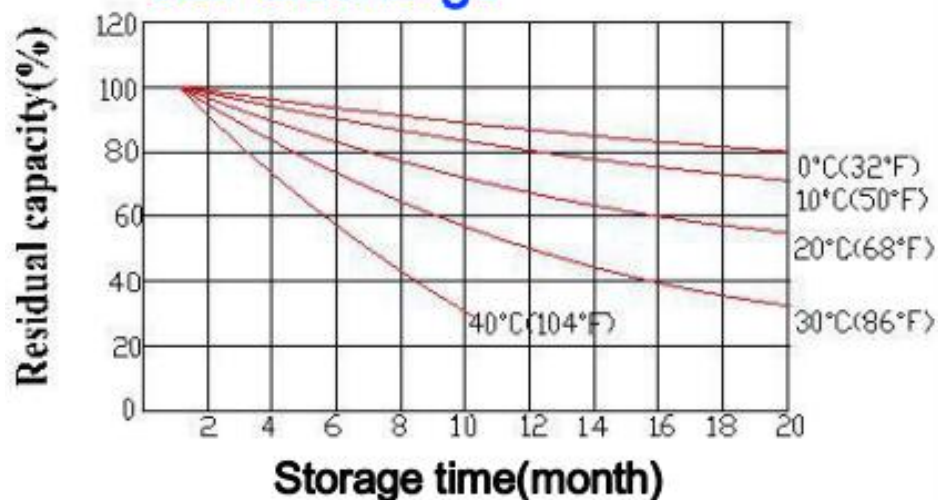
EQUALIZATION TEMPERATURE COMPENSATION COEFFICIENT(25°C): -4mV/Cell C

Note:1)The above datas are average values, and can be obtained within 3 charge/ discharge cycles. These are not minimum values.

2)Cell and battery designs/specifications are subject to modification without notice.

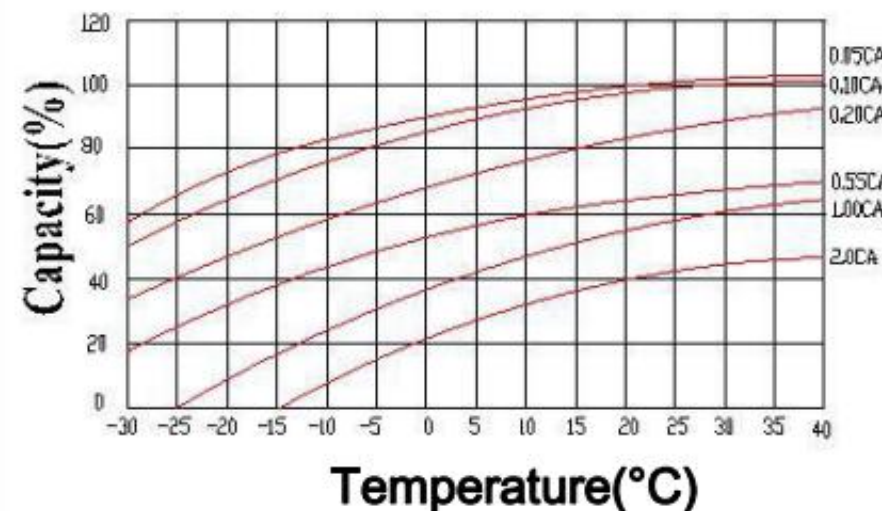
6. TEMPERATURE EFFECTED CHARACTERISTICS

Temperature effect on battery self-discharge



SELF-DISCHARGE CAPACITY(25°C):
AFTER 3 MONTHS: 92%
AFTER 6 MONTHS: 84%
AFTER 12 MONTHS: 65%

Temperature effect on capacity



CAPACITY AFFECTED BY TEMPERATURE: (10 HOUR)
40°C : 102%
25°C : 100%
0°C : 90%
-15°C : 70%

Note:

- 1)The above datas are average values, and can be obtained within 3 charge/ discharge cycles. These are not minimum values.
- 2)Cell and battery designs/specifications are subject to modification without notice.



LEGACY CANADIAN PRODUCTS
DESIGNED IN CANADA,
ASSEMBLED IN CHINA

LET'S DEVELOP TRUST AND BUSINESS

🌐 www.connectinglegacy.com