



# GEL VALVE REGULATED RECHARGEABLE BATTERY



**MODEL: G2-1500(2V 1500AH)**

# SOLAR BATTERY

LEGACY CANADIAN PRODUCTS  
DESIGNED IN CANADA,  
ASSEMBLED IN CHINA

[www.connectinglegacy.com](http://www.connectinglegacy.com)

# 1. PRODUCT DIMENSIONS



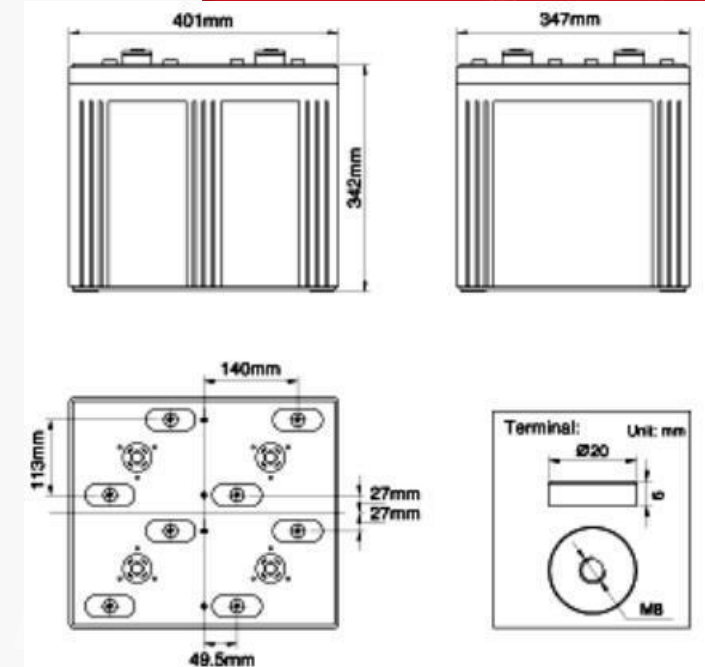
**G2-1500(2V 1500AH)**

<b>BATTERY DIMENSION (MM)</b>	<b>LENGTH</b>	<b>401</b>
	<b>WIDTH</b>	<b>347</b>
	<b>HEIGHT</b>	<b>342</b>
	<b>TOTAL HEIGHT</b>	<b>378</b>
<b>BOX DIMENSION (MM)</b>	<b>LENGTH</b>	<b>892</b>
	<b>WIDTH</b>	<b>420</b>
	<b>HEIGHT</b>	<b>513</b>
<b>QUANTITY PER BOX</b>		<b>2 PCS</b>
<b>N.W PER CELL (KG) ± 1000g</b>		<b>100.0</b>
<b>N.W PER BOX (KG)</b>		<b>200.0</b>
<b>G.W PER BOX (KG)</b>		<b>220.0</b>

## 2.PRODUCT CHARACTERISTICS

### G2-1500(2V 1500AH)

NOMINAL VOLTAGE		2V
NOMINAL CAPACITY (10 HOUR RATE)		1500AH
CAPACITY @25°C (77°F)	20 HOUR RATE(79.5A)	1590.0AH
	5 HOUR RATE(265.2A)	1326.0AH
	1 HOUR RATE(825.0A)	825.0AH
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 ≤0.13mΩ	
CHARGE (CONSTANT VOLTAGE) @25°C(77°F)	FLOAT	INITIAL CHARGING CURRENT LESS THAN 225A VOLTAGE 2.23-2.27V
	CYCLE	INITIAL CHARGING CURRENT LESS THAN 225A 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	4191	2706	2244	1485	1106	825	644	412.5	280.5	184.8	165.0	87.5
1.65V	4115	2657	2203	1458	1085	810	632	405.0	275.4	181.4	162.0	85.9
1.70V	4039	2608	2162	1431	1065	795	620	397.5	270.3	178.1	159.0	84.3
1.75V	3962	2558	2122	1404	1045	780	608	390.0	265.2	174.7	156.0	82.7
1.80V	3810	2460	2040	1350	1005	750	585	375.0	255.0	168.0	150.0	79.5

F.V/TIME	5MIN	10MIN	15 MIN	30MIN	45MIN	1H	2H	3H	5H	8H	10H	20H
1.60V	8068	5209	4320	2859	2128	1588	1239	794.1	540.0	355.7	317.6	168.3
1.65V	7921	5114	4241	2807	2089	1559	1216	779.6	530.1	349.3	311.9	165.3
1.70V	7774	5020	4163	2755	2051	1530	1194	765.2	520.3	342.8	306.1	162.2
1.75V	7628	4925	4084	2703	2012	1502	1171	750.8	510.5	336.3	300.3	159.2
1.80V	7334	4736	3927	2599	1935	1444	1126	721.9	490.9	323.4	288.8	153.0

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



**Amperes at  
(77°F/25°C)**



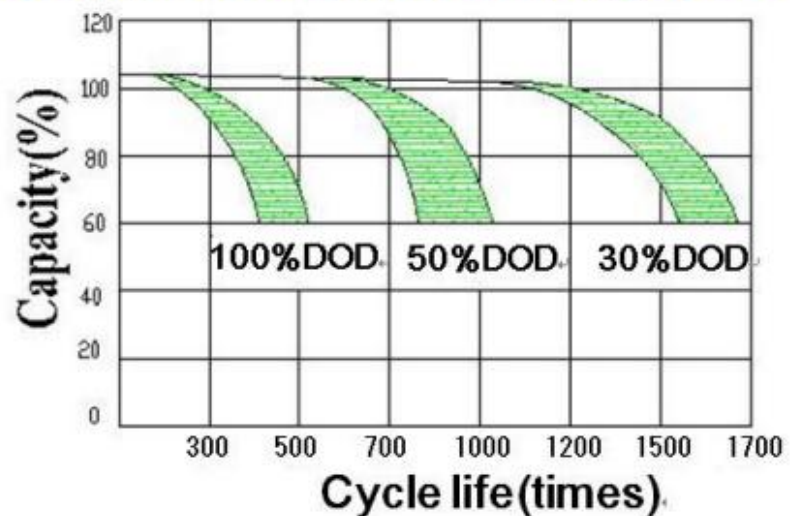
**Watts at  
(77°F/25°C)**

**Battery  
Construction**



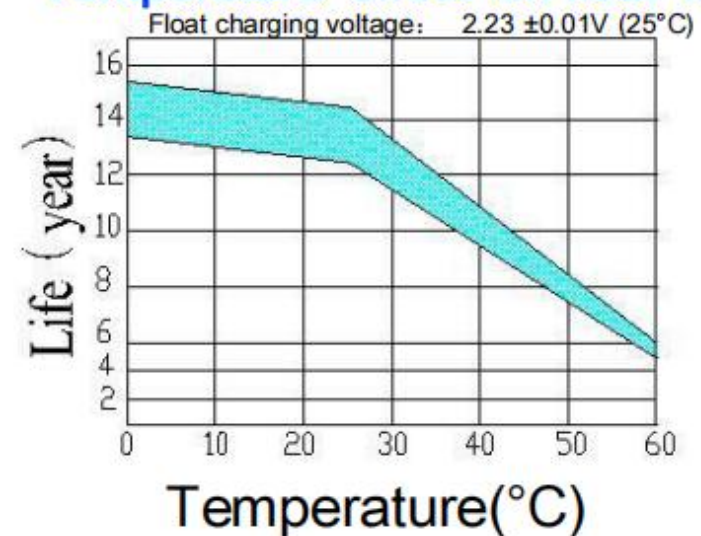
## 4. PERFORMANCE CHARACTERISTICS

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



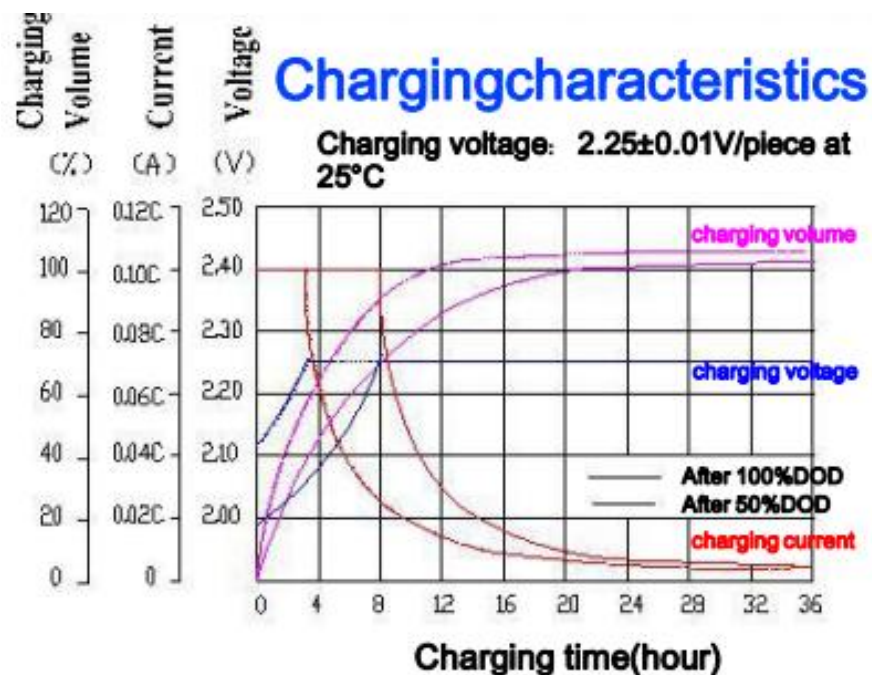
**DESIGN LIFE: 15 YEARS**

**WARRANTY: 4 YEARS**

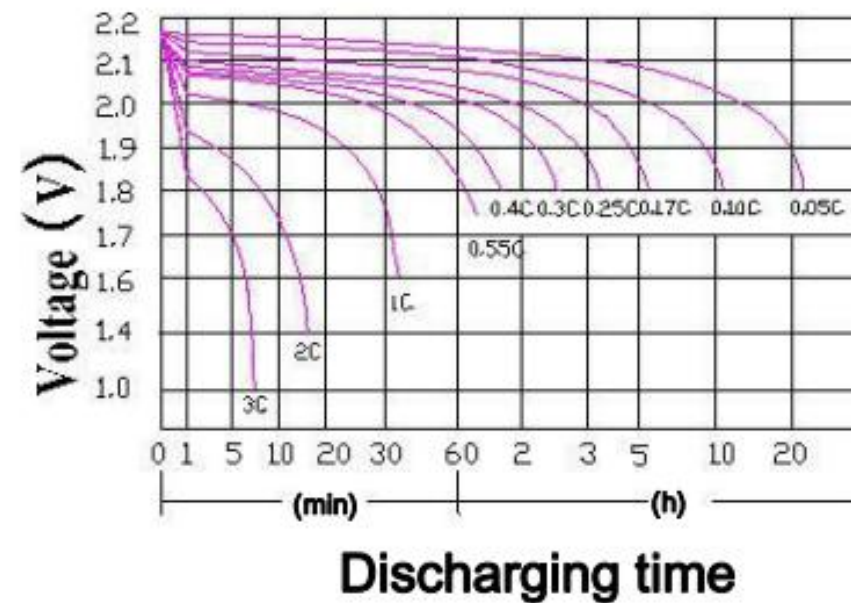
*Note:1)The above datas are average values, and can be obtained within 3 charge/ discharge cycles. These are not minimum values.  
2)Cell and battery designs/specifications are subject to modification without notice.*

LEGACY CANADIAN PRODUCTS DESIGNED IN CANADA,ASSEMBLED IN CHINA

# 5. CHARGE AND DISCHARGE CHARACTERISTICS



### Discharge characteristics (25°C)



**FLOAT TEMPERATURE COMPENSATION COEFFICIENT( $25^\circ\text{C}$ ):  $-4\text{mV}/\text{Cell } ^\circ\text{C}$**

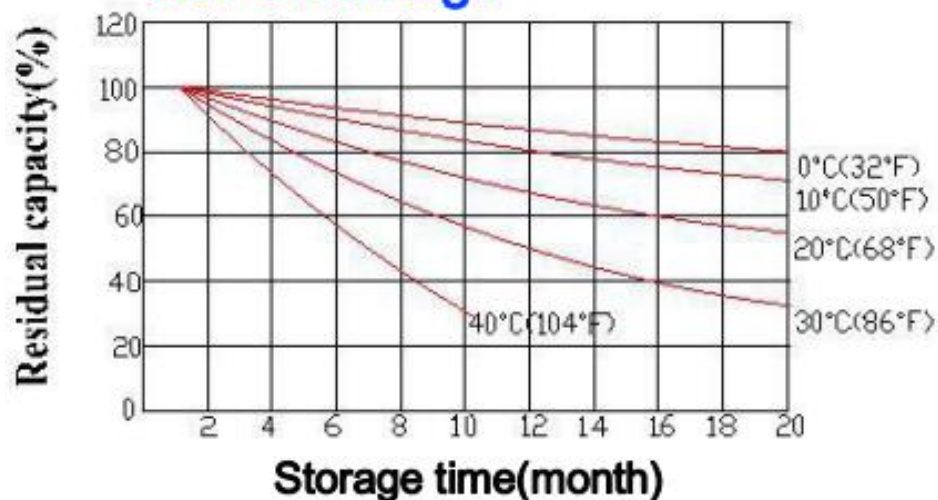
**EQUALIZATION TEMPERATURE COMPENSATION COEFFICIENT( $25^\circ\text{C}$ ):  $-4\text{mV}/\text{Cell } ^\circ\text{C}$**

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.

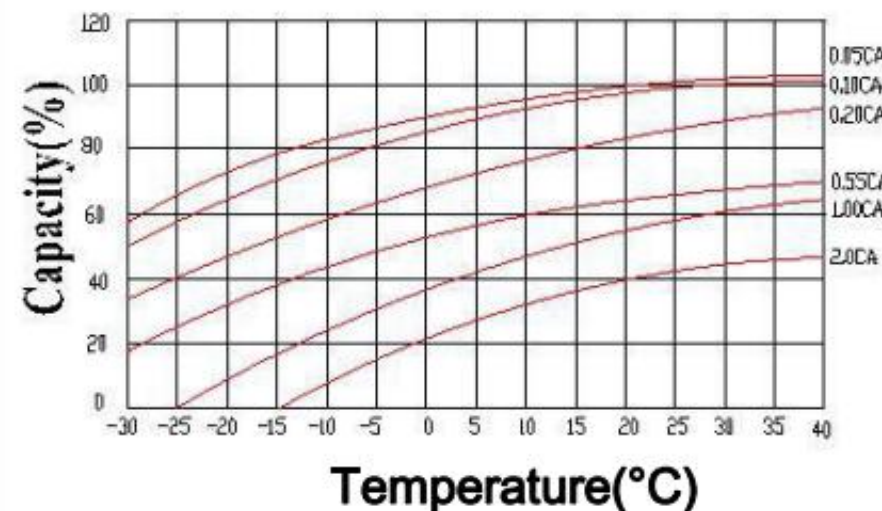
## 6. TEMPERATURE EFFECTED CHARACTERISTICS

### 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](http://www.connectinglegacy.com)