



GEL VALVE REGULATED RECHARGEABLE BATTERY



MODEL: G12-260(12V 260AH)

SOLAR BATTERY

LEGACY CANADIAN PRODUCTS
DESIGNED IN CANADA,
ASSEMBLED IN CHINA

www.connectinglegacy.com

1.PRODUCT DIMENSIONS



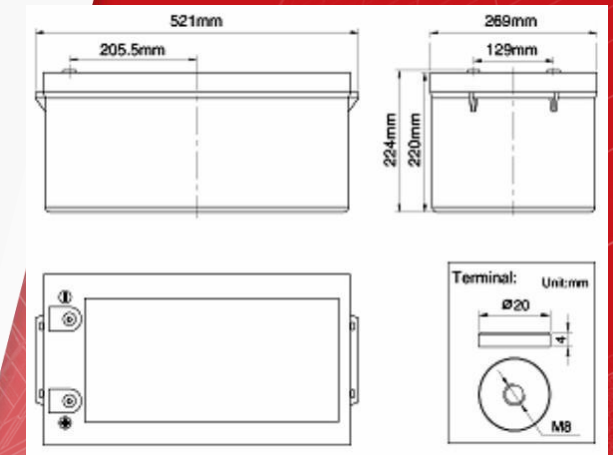
G12-260(12V 260AH)

| | | |
|-------------------------------|---------------------|-------------|
| BATTERY DIMENSION (MM) | LENGTH | 521 |
| | WIDTH | 269 |
| | HEIGHT | 220 |
| | TOTAL HEIGHT | 224 |
| BOX DIMENSION (MM) | LENGTH | 537 |
| | WIDTH | 284 |
| | HEIGHT | 299 |
| QUANTITY PER BOX | | 1PC |
| N.W PER CELL (KG)±500g | | 70.0 |
| N.W PER BOX (KG) | | 70.0 |
| G.W PER BOX (KG) | | 71.0 |

2.PRODUCT CHARACTERISTICS

| | | |
|--|---------------------|---|
| NOMINAL VOLTAGE | | 12V |
| NOMINAL CAPACITY (10 HOUR RATE) | | 260AH |
| CAPACITY @25°C (77°F) | 20 HOUR RATE(13.9A) | 280.0AH |
| | 5 HOUR RATE(45.7A) | 228.0AH |
| | 1 HOUR RATE(184.8A) | 184.8AH |
| CYCLE LIFE(@25°C) | 100%DOD | 800 TIMES |
| | 50%DOD | 1250 TIMES |
| | 30%DOD | 1750 TIMES |
| DESIGN LIFE | | 8 YEARS |
| SELF-DISCHARGE(@25°C) | | < 3%/MONTH |
| INTERNAL RESISTANCE | | FULL CHARGED BATTERY 25°C ≤2.0mΩ |
| CHARGE (CONSTANT VOLTAGE) @25°C(77°F) | FLOAT | INITIAL CHARGING CURRENT LESS THAN 50.0A VOLTAGE 13.6-13.8V |
| | CYCLE | INITIAL CHARGING CURRENT LESS THAN 50.0A VOLTAGE 14.4-14.9V |

G12-260(12V 260AH)



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 | 840.6 | 560.0 | 422.1 | 262.6 | 188.4 | 184.8 | 101.4 | 74.1 | 47.7 | 29.1 | 26.0 | 14.4 |
| 1.65V | 775.0 | 516.3 | 404.5 | 255.6 | 183.4 | 179.9 | 99.5 | 72.8 | 47.0 | 28.8 | 25.8 | 14.3 |
| 1.70V | 788.1 | 525.0 | 386.9 | 248.6 | 178.3 | 174.9 | 97.7 | 71.4 | 46.4 | 28.6 | 25.5 | 14.2 |
| 1.75V | 696.2 | 463.8 | 369.3 | 241.5 | 173.3 | 170.0 | 95.3 | 69.7 | 45.7 | 28.3 | 25.3 | 14.0 |
| 1.80V | 656.8 | 437.5 | 351.8 | 234.5 | 168.3 | 165.0 | 93.0 | 68.0 | 45.0 | 28.0 | 25.0 | 13.9 |



**Amperes at
(77°F/25°C)**

| F.V/TIME | 5MIN | 10MIN | 15 MIN | 30MIN | 45MIN | 1H | 2H | 3H | 5H | 8H | 10H | 20H |
|----------|--------|--------|--------|-------|-------|-------|-------|-------|------|------|------|------|
| 1.60V | 1567.8 | 1044.4 | 787.2 | 489.8 | 351.4 | 344.7 | 189.1 | 138.2 | 89.0 | 54.3 | 48.5 | 26.9 |
| 1.65V | 1445.3 | 962.8 | 754.4 | 476.7 | 342.0 | 335.4 | 185.6 | 135.7 | 87.7 | 53.8 | 48.0 | 26.7 |
| 1.70V | 1469.8 | 979.1 | 721.6 | 463.6 | 332.6 | 326.2 | 182.1 | 133.2 | 86.4 | 53.3 | 47.6 | 26.4 |
| 1.75V | 1298.3 | 864.9 | 688.8 | 450.5 | 323.2 | 317.0 | 177.8 | 130.0 | 85.2 | 52.7 | 47.1 | 26.1 |
| 1.80V | 1224.8 | 815.9 | 656.0 | 437.3 | 313.8 | 307.7 | 173.4 | 126.8 | 83.9 | 52.2 | 46.6 | 25.9 |



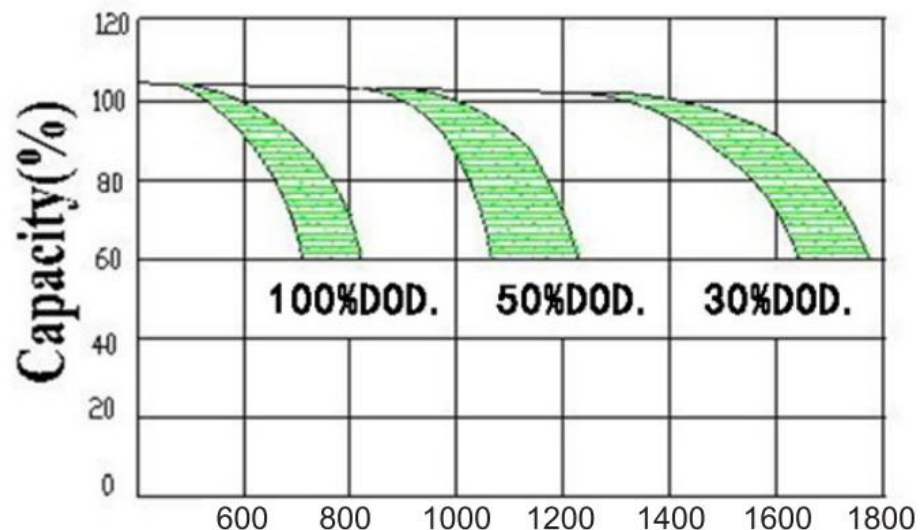
**Watts at
(77°F/25°C)**

| 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

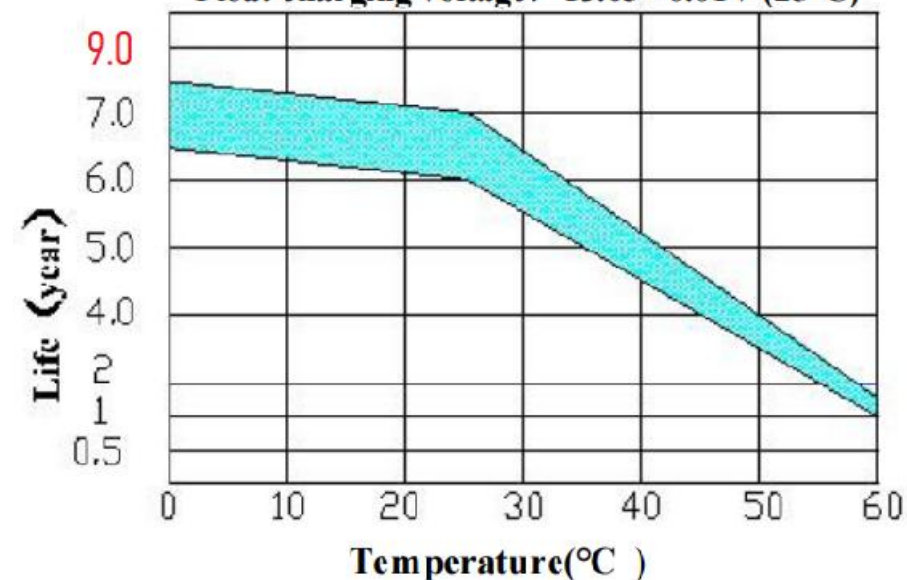
Cycle life vs. Depth of discharge (25°C)



**CYCLE LIFE: 100%DOD 800TIMES
(@25°C) 50%DOD 1250TIMES
30%DOD 1750TIMES**

Temperature effect on float life

Float charging voltage: 13.65 ± 0.01V (25°C)



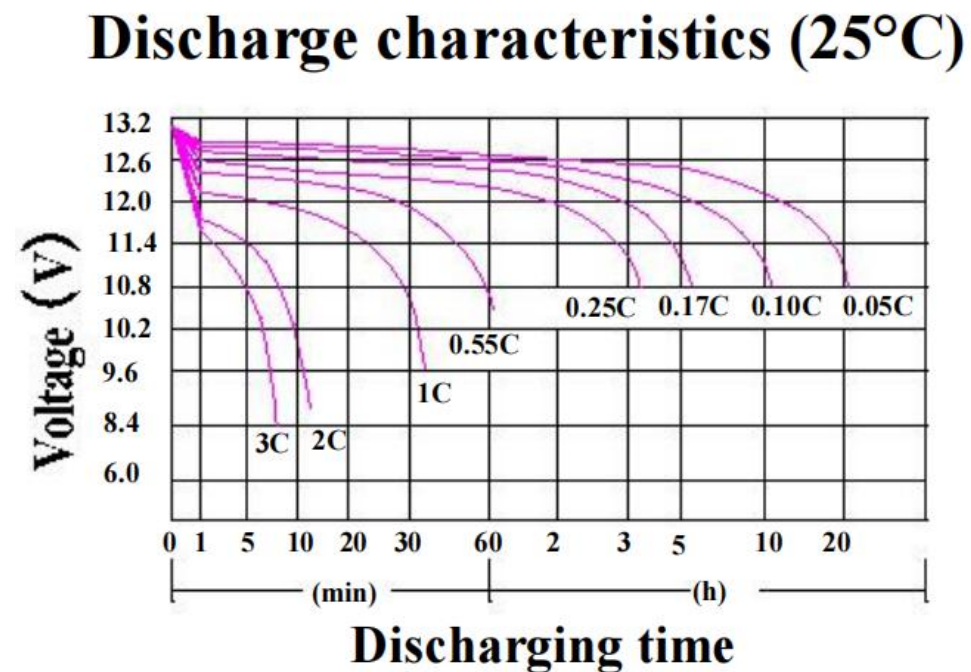
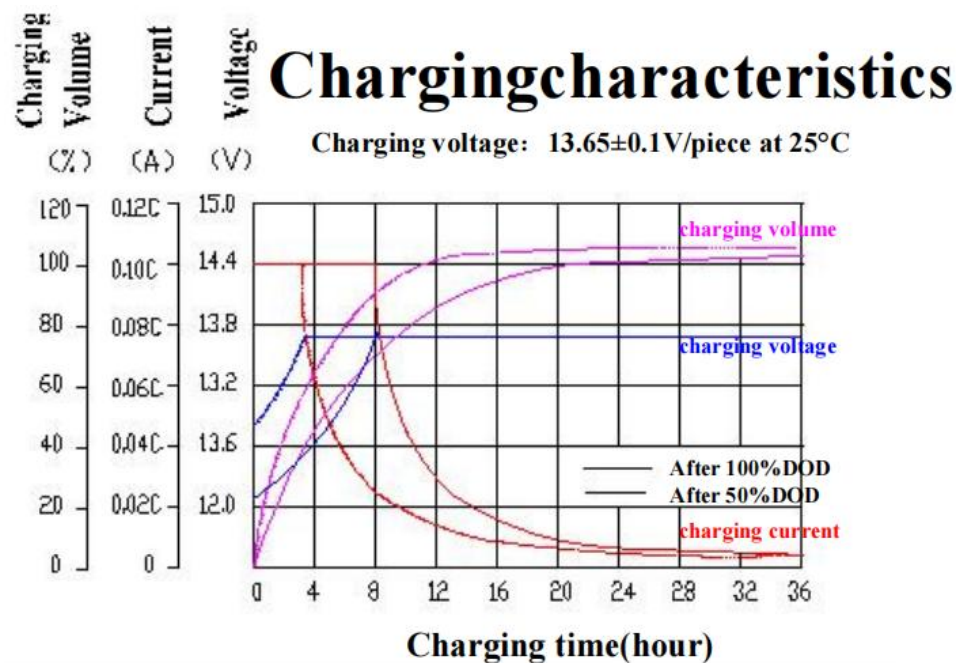
WORKING LIFE: UP TO 8 YEARS

WARRANTY: 2 YEARS

Note: 1) The above data 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



FLOAT TEMPERATURE COMPENSATION COEFFICIENT(25°C): $-2\text{mV}/\text{Cell } ^{\circ}\text{C}$

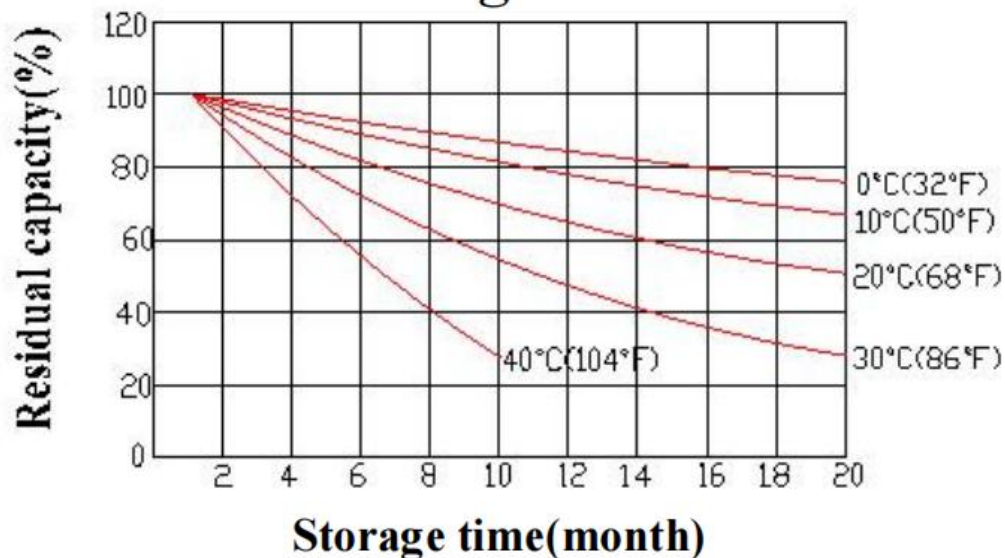
EQUALIZATION TEMPERATURE COMPENSATION COEFFICIENT(25°C): $-5\text{mV}/\text{Cell } ^{\circ}\text{C}$

Note: 1) The above data 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.

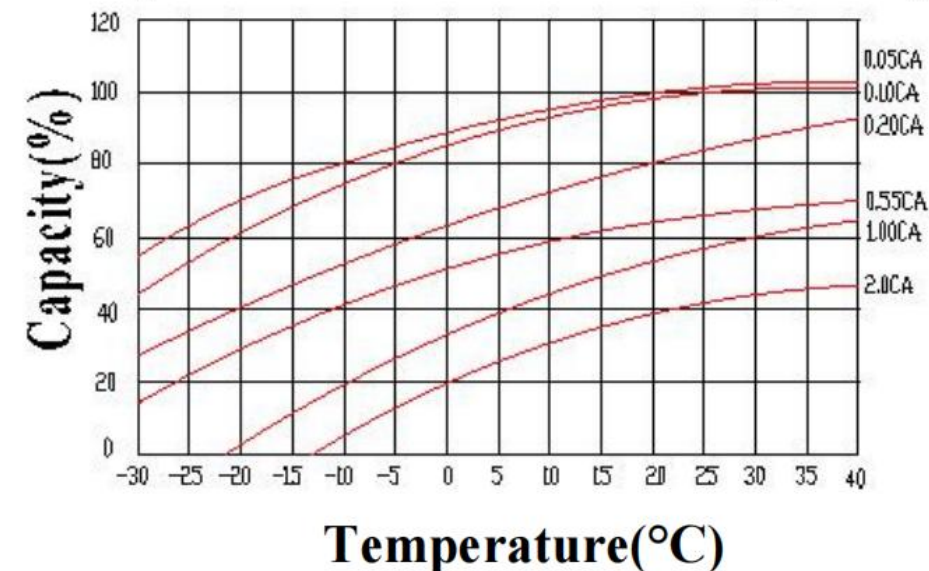
6. TEMPERATURE EFFECTED CHARACTERISTICS

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 : 85%
-15°C : 65%

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