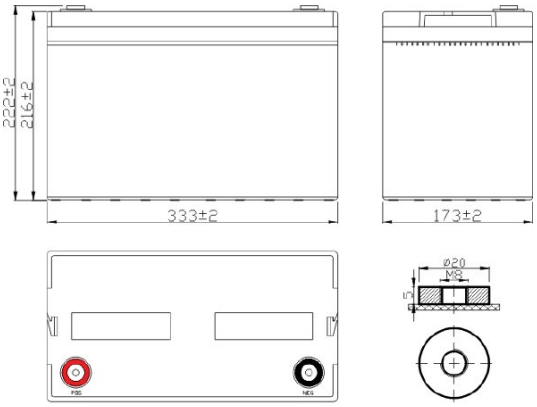
# Gel VRLA Battery 12V 100AH



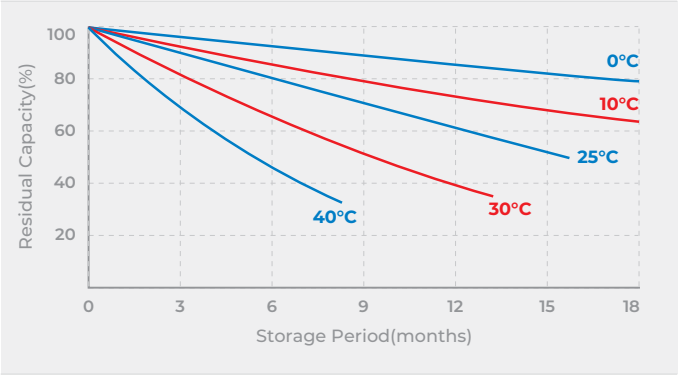




## Parameter Chart

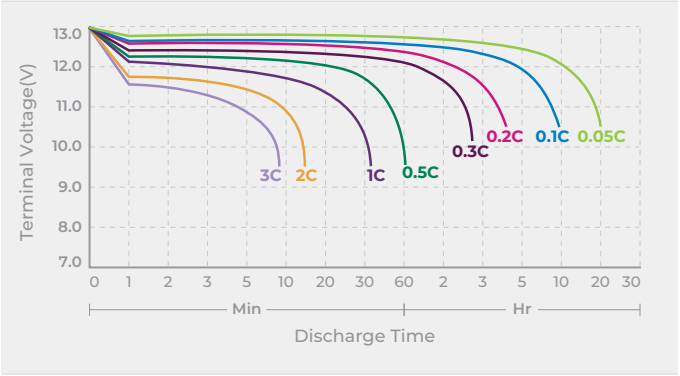
| Volts | | 12V | |
|---|---|---|---|
| Capacity (25°C) | | 10 hours rate (10A) | 100Ah |
| Discharge Current Testing (25°C) | | 1 hour rate (55A) | 59Ah |
| | | 3 hour rate (25A) | 79Ah |
| Internal Resistance | | Full Charged Battery 25°C | 4.2mohm |
| Capacity Affected By Temperature | | 40°C | 104% |
| | | 25°C | 100% |
| | | 0°C | 83% |
| | | -15°C | 65% |
| Residual Capacity (25°C) | | Capacity After 3 Months Storage | 91% |
| | | Capacity After 6 Months Storage | 82% |
| | | Capacity After 12 Months Storage | 65% |
| Charge (Constant Voltage) (25°C) | Cycle (25°C) | Initial Charging Current less than 30A Voltage 14.5 ~ 14.9V | |
| | Float (25°C) | Charge Voltage 13.6~13.8V | |
| Weight (Approx.) | | 31.2Kg | |
| Dimensions (in mm) | | 333(L) x 173(W) x 222(H) | |

*The above are average and data obtained from the first 3 charge/discharge cycles. These are not minimum values.

## Residual Capacity



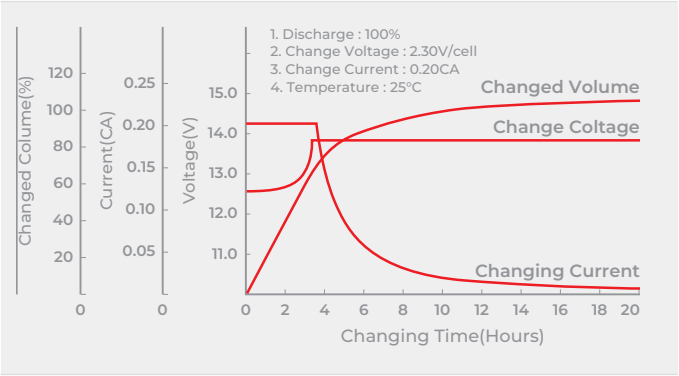

## Discharge Current 25°C



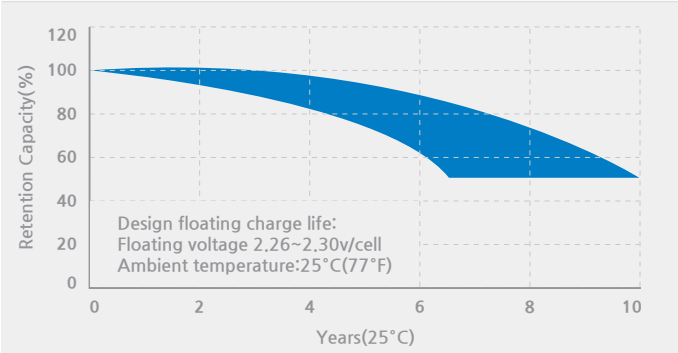

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# Gel VRLA Battery 12V 100AH

## Constant Voltage Charging Characteristics




## Float Life




## Constant Current Discharge Characteristics (Ampere (A), 25°C)

| F.V/ Time | 10min | 15min | 30min | 60min | 1.5h | 2h | 3h | 5h | 8h | 10h | 20h |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 9.60V | 220.4 | 175.4 | 108.2 | 65.1 | 47.0 | 36.6 | 26.5 | 18.5 | 12.2 | 10.3 | 5.4 |
| 10.2V | 209.4 | 168.3 | 104.2 | 62.5 | 45.6 | 36.1 | 26.1 | 18.2 | 12.1 | 10.2 | 5.4 |
| 10.5V | 203.4 | 164.3 | 101.2 | 61.2 | 44.8 | 35.8 | 25.9 | 18.0 | 12.1 | 10.1 | 5.3 |
| 10.8V | 196.4 | 160.3 | 99.0 | 59.4 | 44.0 | 35.4 | 25.6 | 17.8 | 12.0 | 10.0 | 5.3 |

## Constant Power Discharge Characteristics (Watt (W), 25°C)

| F.V/ Time | 10min | 15min | 30min | 60min | 1.5h | 2h | 3h | 5h | 8h | 10h | 20h |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 9.60V | 2380.8 | 1925.8 | 1214.4 | 742.5 | 547.6 | 423.8 | 310.6 | 219.4 | 146.3 | 123.2 | 64.8 |
| 10.2V | 2261.5 | 1848.7 | 1169.3 | 712.4 | 531.2 | 417.8 | 306.6 | 215.4 | 145.7 | 122.2 | 64.3 |
| 10.5V | 2196.4 | 1803.6 | 1159.3 | 708.4 | 521.9 | 413.8 | 303.6 | 212.4 | 145.3 | 121.2 | 64.1 |
| 10.8V | 2121.2 | 1760.5 | 1111.2 | 677.4 | 512.6 | 409.8 | 300.6 | 210.4 | 144.3 | 119.2 | 63.7 |

## Capacity Factors With Different Temperature

| Battery Type | | -20°C | -10°C | 0°C | 5°C | 10°C | 20°C | 25°C | 30°C | 40°C | 45°C |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Battery | 12V | 50% | 70% | 83% | 85% | 90% | 98% | 100% | 102% | 104% | 105% |

*The above are average and data obtained from the first 3 charge/discharge cycles. These are not minimum values.

## Ordering Information

| | |
|---|---|
| E121002G | ExTell Gel VRLA Battery 12V 100Ah, Gray |
| E121003G | ExTell Gel VRLA Battery 12V 100Ah, Black |

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