SVC®
SMART VOLTAGE CONTROL

# DIGITAL SCREEN INTELLIGENT GEL STORAGE BATTERY - GEL SERIES

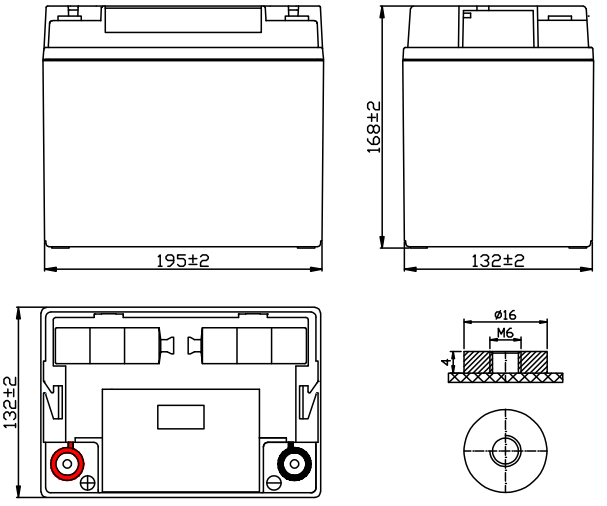
## MODEL: GLD1233(GEL)/DS-A NO.:302070066-00001

Container Color
Grey 3 C




### Plane Chart:

Unit:(mm) Terminal type:(T1)




MH49393

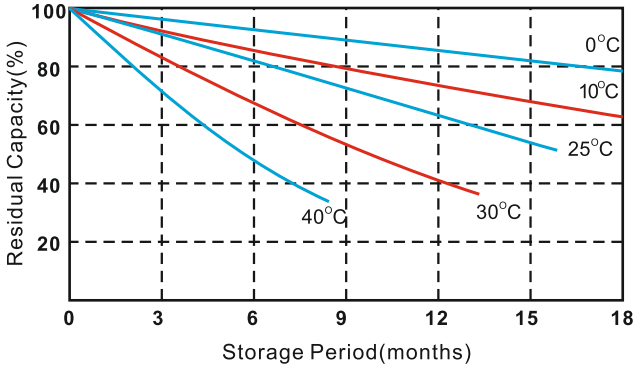
ISO9001
ISO14001
OHSAS18001

### Parameter Chart:

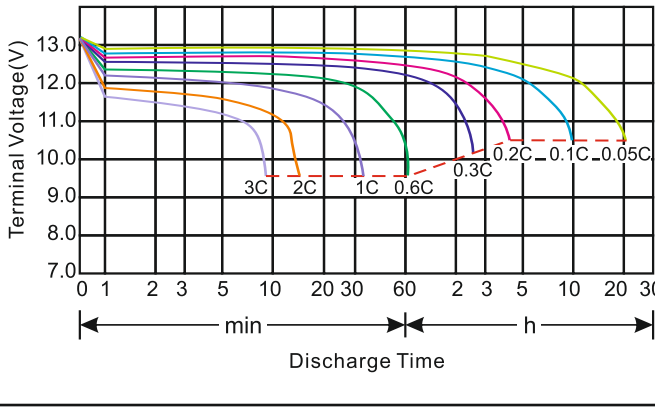
| Volts | 12V | |
|---|---|---|
| Capacity(25°C) | 20 hours rate (1.65A) | 33Ah |
| Discharge Current Testing (25°C) | 20 $I_{20}$ rate (33A,27min) | 39min |
| | 60 $I_{20}$ rate (99A,7min) | 10min |
| Internal Resistance | Full Charged Battery 25°C | 8.5mΩ |
| Capacity Affected By Temperature | 40°C | 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) | Cycle (25°C) | Initial Charging Current Less Than 9.9A Voltage 14.5~14.9V |
| | Float (25°C) | Charge Voltage 13.6~13.8V |
| Weight (Approx) | | 10.6Kg |

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

### Residual Capacity




### Discharge Current 25℃

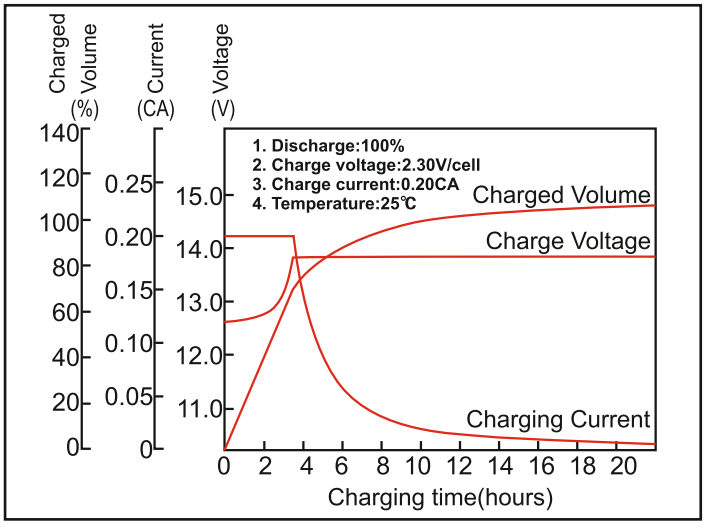


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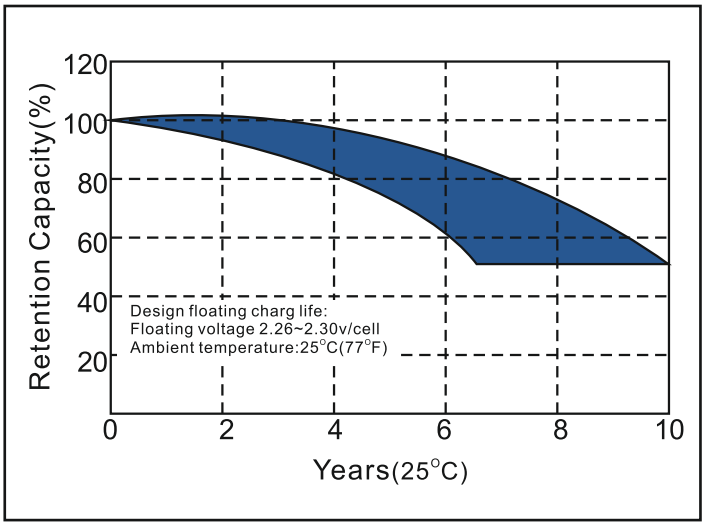
# DIGITAL SCREEN INTELLIGENT GEL STORAGE BATTERY - GEL SERIES

## MODEL: GLD1233(GEL)/DS-A NO.:302070066-00001

### Constant voltage charging characteristics




### Float Life




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

| F.V/Time | 5min | 10min | 15min | 30min | 60min | 2h | 3h | 5h | 8h | 10h | 20h |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 9.60V | 107.6 | 68.9 | 56.7 | 33.2 | 20.3 | 11.8 | 8.7 | 5.8 | 3.8 | 3.1 | 1.8 |
| 10.2V | 102.7 | 65.5 | 54.4 | 31.9 | 19.6 | 11.6 | 8.4 | 5.6 | 3.8 | 3.0 | 1.7 |
| 10.5V | 99.5 | 63.6 | 53.0 | 31.1 | 19.1 | 11.5 | 8.2 | 5.5 | 3.8 | 3.0 | 1.7 |
| 10.8V | 96.4 | 61.6 | 51.6 | 30.3 | 18.6 | 11.4 | 8.1 | 5.5 | 3.7 | 2.9 | 1.6 |

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

| F.V/Time | 5min | 10min | 15min | 30min | 60min | 2h | 3h | 5h | 8h | 10h | 20h |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 9.60V | 1129.5 | 745.1 | 622.9 | 372.6 | 231.8 | 136.0 | 101.7 | 68.1 | 45.3 | 38.0 | 19.8 |
| 10.2V | 1076.6 | 708.0 | 597.5 | 356.9 | 223.0 | 134.0 | 98.8 | 66.7 | 44.9 | 37.8 | 19.6 |
| 10.5V | 1044.4 | 686.5 | 582.3 | 348.6 | 211.7 | 133.1 | 96.8 | 65.7 | 44.6 | 37.6 | 19.4 |
| 10.8V | 1012.1 | 665.0 | 567.2 | 340.3 | 200.5 | 131.6 | 94.9 | 64.7 | 44.2 | 37.4 | 19.2 |

### 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 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| GEL Battery | 12V | 50% | 70% | 83% | 85% | 90% | 98% | 100% | 102% | 104% | 105% |

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