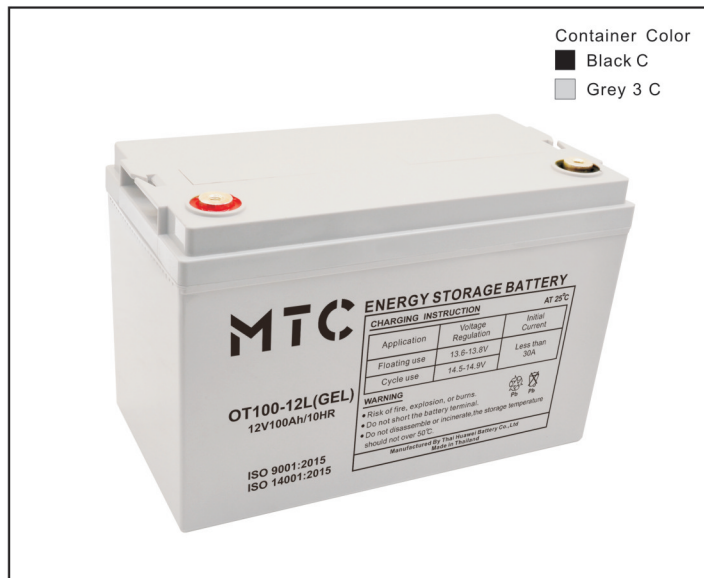


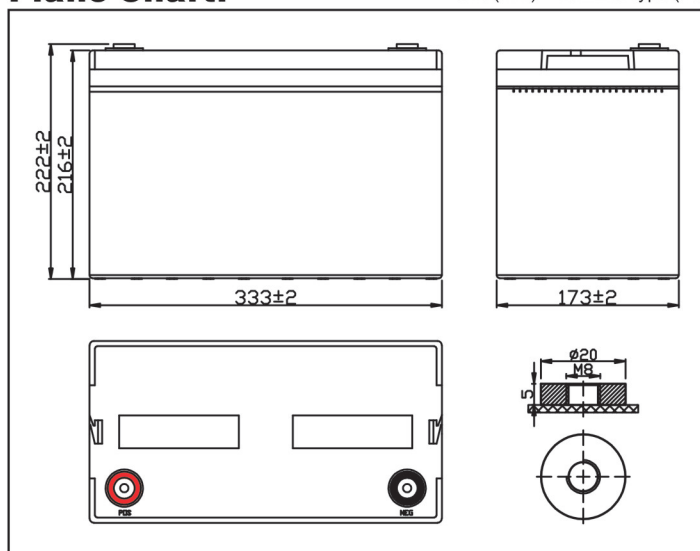
**MODEL: OT100-12L(GEL)**

**NO.: 302020001-00030**



### Plane Chart:

Unit:(mm) Terminal type:(T3)



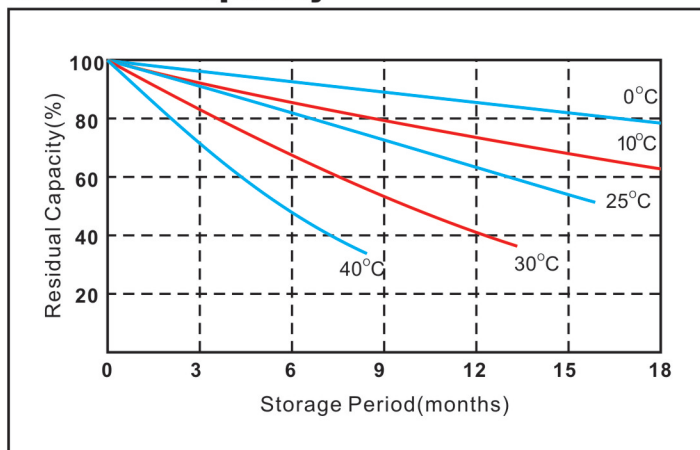
ISO 9001  
 ISO 14001  
 OHSAS18001



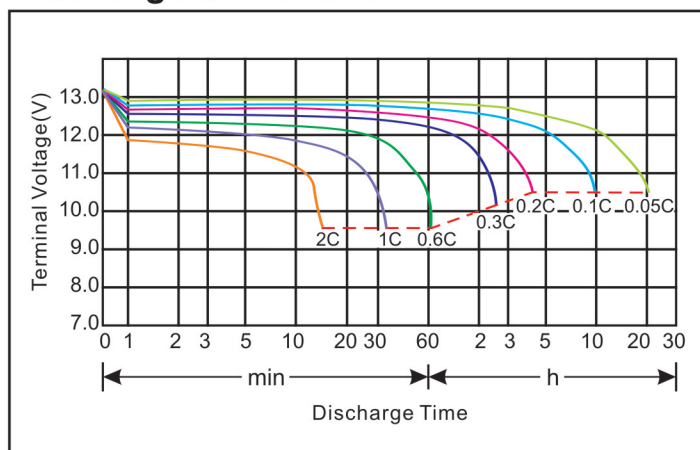
### Parameter Chart:

| Volts                            |                                  | 12V                                                          |
|----------------------------------|----------------------------------|--------------------------------------------------------------|
| Capacity(25°C)                   | 10 hours rate (10A)              | 100Ah                                                        |
| Discharge Current Testing (25°C) | 1 hours rate (55A)               | 60Ah                                                         |
|                                  | 3 hours rate (25A)               | 80Ah                                                         |
| Internal Resistance              | Full Charged Battery 25°C        | 4mΩ                                                          |
| 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 30A<br>Voltage 14.5~14.9V |
|                                  | Float (25°C)                     | Charge Voltage 13.6~13.8V                                    |
| Weight (Approx)                  |                                  | 32.5Kg                                                       |

### Residual Capacity



### Discharge Current 25°C

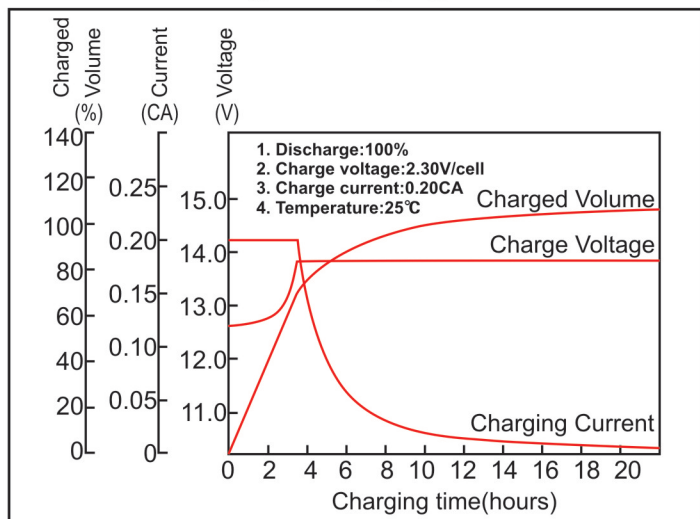


★The above are average and data obtained from the first 3 charge/discharge cycles. These are not minimum values.

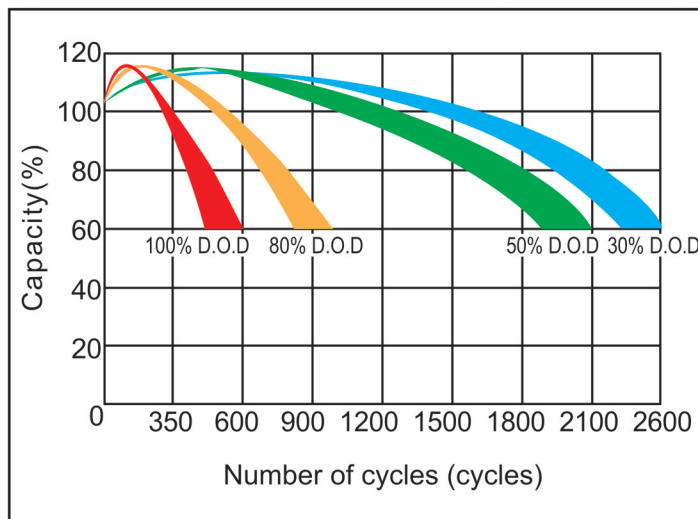
**MODEL: OT100-12L(GEL)**

**NO.: 302020001-00030**

### Constant voltage charging characteristics



### Cycle service life in relation to the depth of discharge



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

| F.V/Time | 10min | 15min | 30min | 60min | 2h   | 3h   | 5h   | 8h   | 10h  | 20h |
|----------|-------|-------|-------|-------|------|------|------|------|------|-----|
| 9.60V    | 220.2 | 175.2 | 108.1 | 65.1  | 36.5 | 26.4 | 18.5 | 12.2 | 10.3 | 5.4 |
| 10.2V    | 209.2 | 168.2 | 104.1 | 62.5  | 36.0 | 26.0 | 18.2 | 12.1 | 10.2 | 5.4 |
| 10.5V    | 203.2 | 164.2 | 101.1 | 61.2  | 35.7 | 25.8 | 18.0 | 12.1 | 10.1 | 5.3 |
| 10.8V    | 196.2 | 160.2 | 98.9  | 59.4  | 35.3 | 25.5 | 17.8 | 12.0 | 10.0 | 5.3 |

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

| F.V/Time | 10min  | 15min  | 30min  | 60min | 2h    | 3h    | 5h    | 8h    | 10h   | 20h  |
|----------|--------|--------|--------|-------|-------|-------|-------|-------|-------|------|
| 9.60V    | 2378.4 | 1923.9 | 1213.2 | 741.7 | 423.4 | 310.3 | 219.2 | 146.1 | 123.1 | 64.3 |
| 10.2V    | 2259.3 | 1846.8 | 1168.2 | 711.7 | 417.4 | 306.3 | 215.2 | 145.1 | 122.1 | 64.3 |
| 10.5V    | 2194.2 | 1801.8 | 1158.2 | 707.7 | 413.4 | 303.3 | 212.2 | 145.1 | 121.1 | 64.1 |
| 10.8V    | 2119.1 | 1758.8 | 1110.1 | 676.7 | 409.4 | 300.3 | 210.2 | 144.1 | 119.1 | 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 |
|--------------|-----|-------|-------|-----|-----|------|------|------|------|------|------|
| GEL 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.