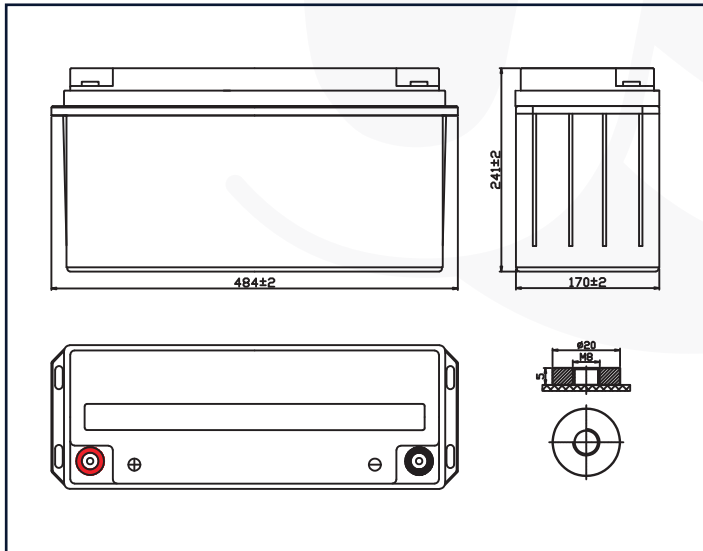


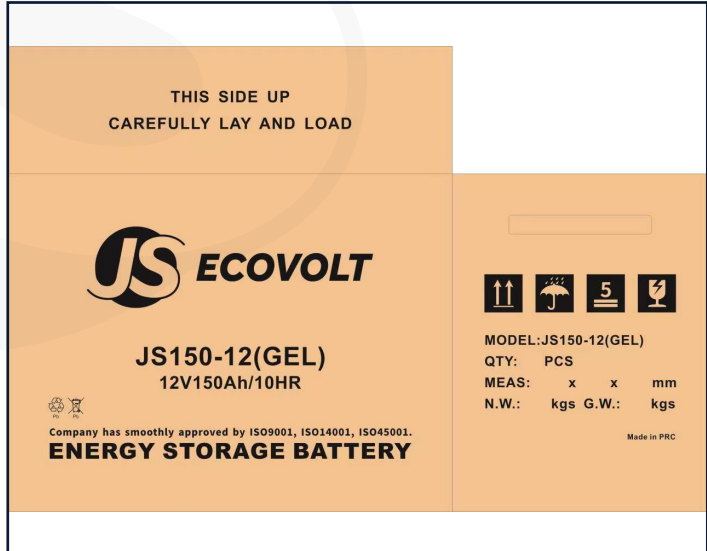


Plane Chart :

Unit:(mm) Terminal type:(T3)



Package :

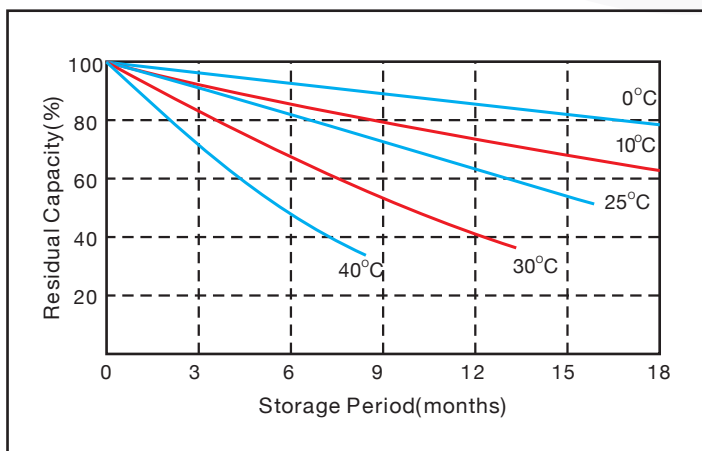


Parameter Chart :

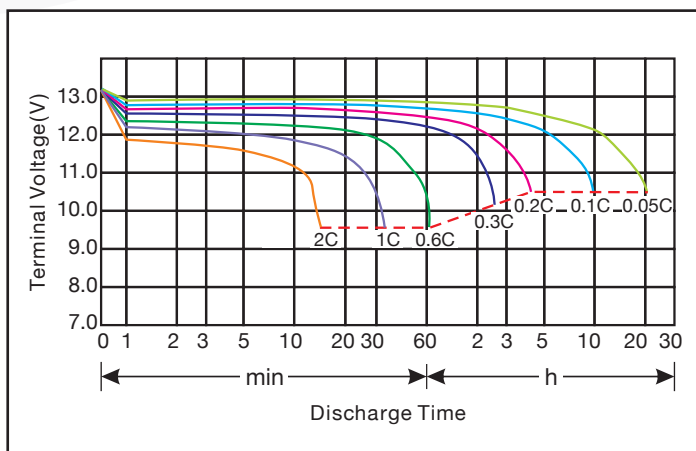
| Volts | 12V | |
|----------------------------------|----------------------------------|--|
| Capacity (25°C) | 10 hours rate (15A) | 150Ah |
| Discharge Current Testing (25°C) | 1 hours rate (82.5A) | 86Ah |
| | 3 hours rate (37.5A) | 117Ah |
| Internal Resistance | Full Charged Battery 25°C | 4m Ω |
| 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 45A Voltage 14.5 ~ 14.9V |
| | Float (25°C) | Charge Voltage 13.6 ~ 13.8V |
| Weight (Approx) | | 44Kg |

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

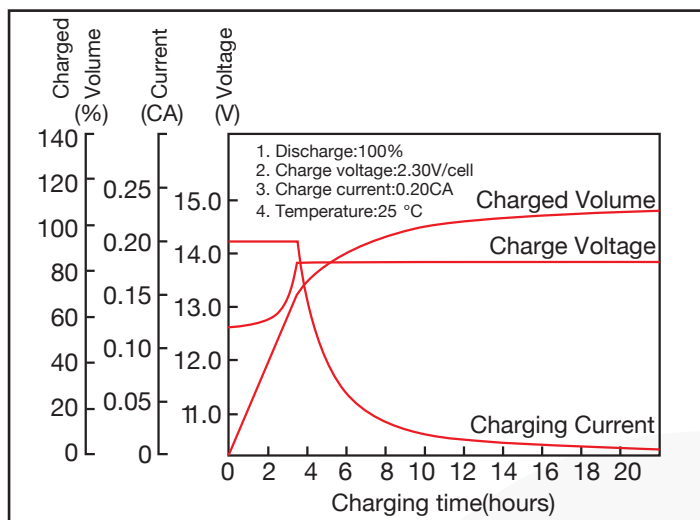
Residual Capacity



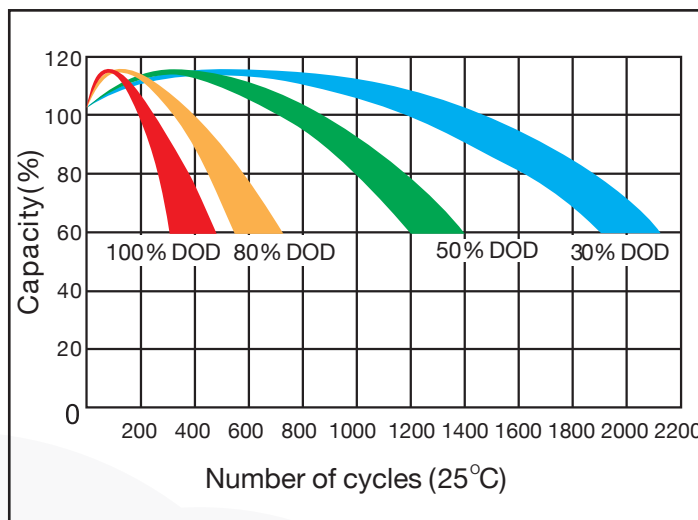
Discharge Current 25°C



Constant voltage charging characteristics



Cycle service life in relation to the depth of discharge



Constant Current Discharge Characteristics (A, 25°C)

| F.V/Time | 15min | 30min | 60min | 2h | 3h | 4h | 5h | 8h | 10h | 20h |
|----------|-------|-------|-------|------|------|------|------|------|------|-----|
| 9.60V | 259.9 | 152.0 | 84.3 | 50.8 | 38.2 | 29.4 | 23.5 | 17.1 | 15.2 | 7.8 |
| 10.2V | 250.3 | 145.9 | 81.3 | 50.0 | 37.9 | 28.4 | 22.6 | 16.3 | 15.1 | 7.7 |
| 10.5V | 239.0 | 142.6 | 78.4 | 49.1 | 36.0 | 27.5 | 21.8 | 15.5 | 15.0 | 7.7 |
| 10.8V | 222.7 | 136.1 | 74.2 | 46.8 | 34.5 | 26.1 | 20.9 | 14.6 | 15.0 | 7.6 |

Constant Power Discharge Characteristics (Watt, 35°C)

| F.V/Time | 15min | 30min | 60min | 2h | 3h | 4h | 5h | 8h | 10h | 20h |
|----------|--------|--------|-------|-------|-------|-------|-------|-------|-------|------|
| 9.60V | 2806.6 | 1702.5 | 969.9 | 584.2 | 442.9 | 340.9 | 273.0 | 198.0 | 176.9 | 90.4 |
| 10.2V | 2753.1 | 1649.2 | 943.1 | 579.9 | 439.4 | 329.2 | 262.4 | 188.6 | 176.9 | 90.2 |
| 10.5V | 2628.6 | 1625.8 | 917.0 | 574.3 | 417.1 | 318.7 | 253.1 | 179.3 | 175.7 | 90.2 |
| 10.8V | 2472.0 | 1565.7 | 876.0 | 551.8 | 400.7 | 302.3 | 242.5 | 169.9 | 175.3 | 89.0 |

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.