

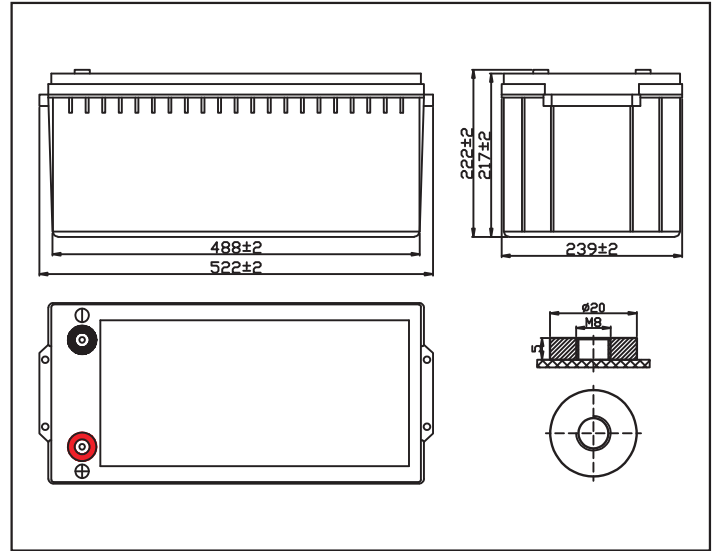
MODEL:EXP200-GEL

NO.: 302020001-00054



Plane Chart:

Unit:(mm) Terminal type:(T3)



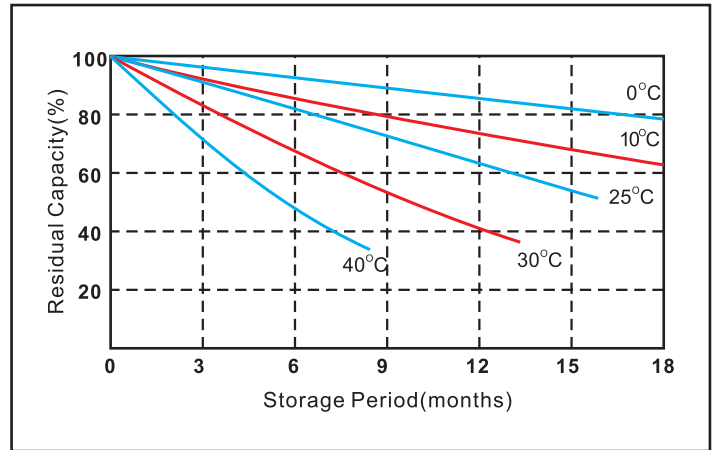
ISO 9001
ISO 14001
OHSAS18001



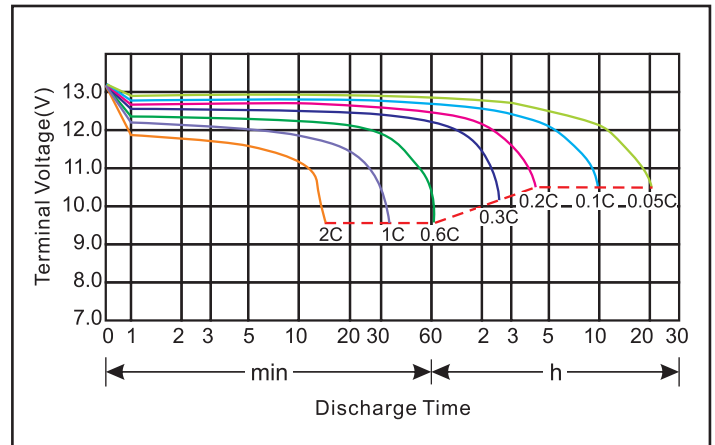
Parameter Chart:

| Volts | | 12V | |
|----------------------------------|----------------------------------|--|--|
| Capacity(25°C) | 10 hours rate (20A) | 200Ah | |
| Discharge Current Testing (25°C) | 1 hours rate (110A) | 123Ah | |
| | 3 hours rate (50A) | 165Ah | |
| Internal Resistance | Full Charged Battery 25°C | 3.4mΩ | |
| 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 60A Voltage 14.5~14.9V | |
| | Float (25°C) | Charge Voltage 13.6~13.8V | |
| Weight (Approx) | | 60.2Kg | |

Residual Capacity



Discharge Current 25°C

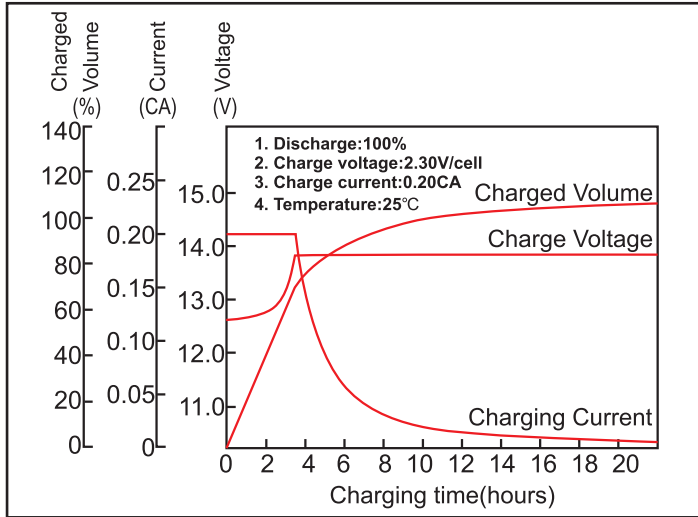


★The above are average and data obtained from the first 3 charge/discharge cycles. These are not minimum values.

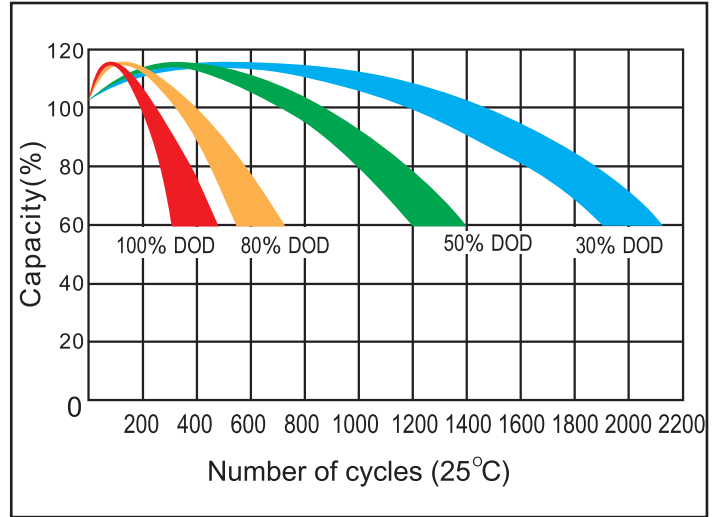
MODEL:EXP200-GEL

NO. : 302020001-00054

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 | 301.5 | 207.9 | 123.4 | 72.4 | 54.5 | 41.4 | 37.8 | 25.7 | 20.3 | 10.4 |
| 10.2V | 289.5 | 200.0 | 119.3 | 71.3 | 53.0 | 40.9 | 36.6 | 25.1 | 20.2 | 10.3 |
| 10.5V | 276.5 | 195.0 | 115.2 | 70.7 | 52.6 | 40.6 | 36.3 | 24.6 | 20.1 | 10.3 |
| 10.8V | 265.4 | 190.1 | 110.5 | 69.8 | 51.9 | 39.4 | 35.9 | 24.1 | 20.0 | 10.2 |

Constant Power Discharge Characteristics (Watt, 25°C)

| F.V/Time | 15min | 30min | 60min | 2h | 3h | 4h | 5h | 8h | 10h | 20h |
|----------|--------|--------|--------|-------|-------|-------|-------|-------|-------|-------|
| 9.60V | 3256.2 | 2332.4 | 1357.4 | 837.5 | 632.6 | 487.1 | 439.6 | 293.0 | 239.6 | 122.8 |
| 10.2V | 3184.5 | 2239.4 | 1336.2 | 824.7 | 622.7 | 481.1 | 432.6 | 288.7 | 238.5 | 121.8 |
| 10.5V | 3069.2 | 2187.9 | 1301.8 | 817.7 | 617.8 | 477.2 | 428.7 | 287.8 | 237.6 | 120.8 |
| 10.8V | 2972.5 | 2127.5 | 1259.7 | 807.8 | 610.8 | 463.3 | 424.7 | 284.4 | 236.8 | 120.8 |

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.