

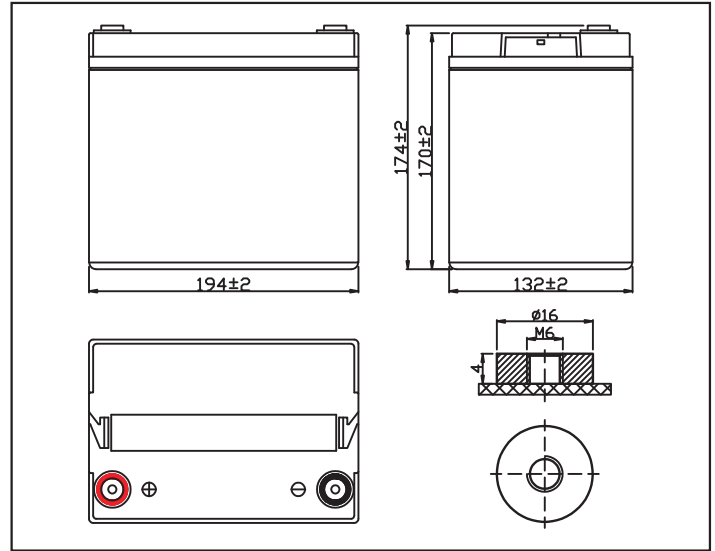
MODEL:EXP35-GEL

NO.: 302020001-00054



Plane Chart:

Unit:(mm) Terminal type:(T1)



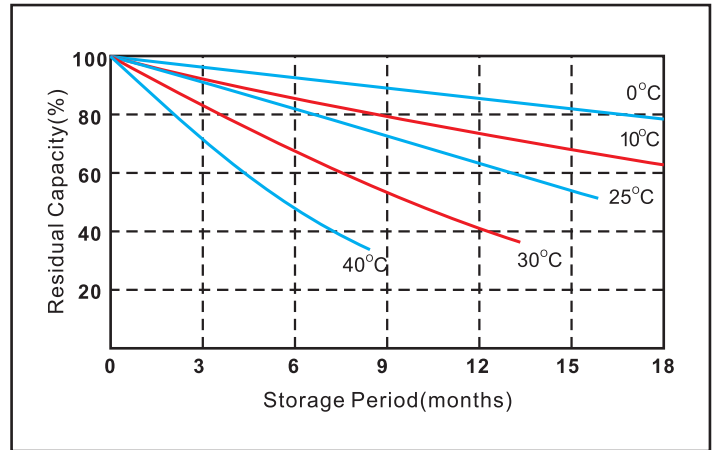
ISO 9001
ISO 14001
OHSAS18001



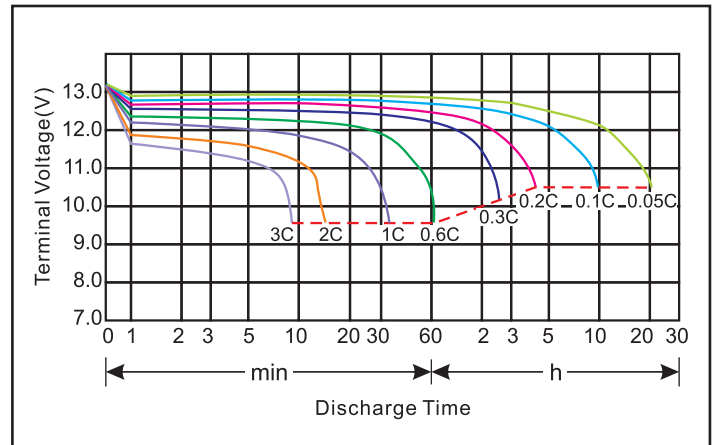
Parameter Chart:

| Volts | | 12V |
|----------------------------------|----------------------------------|---|
| Capacity(25°C) | 20 hours rate (1.65A) | 35Ah |
| Discharge Current Testing (25°C) | 1 hours rate (18.2A) | 22Ah |
| | 3 hours rate (8.3A) | 27Ah |
| Internal Resistance | Full Charged Battery 25°C | 9mΩ |
| 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) | | 10.35Kg |

Residual Capacity



Discharge Current 25°C

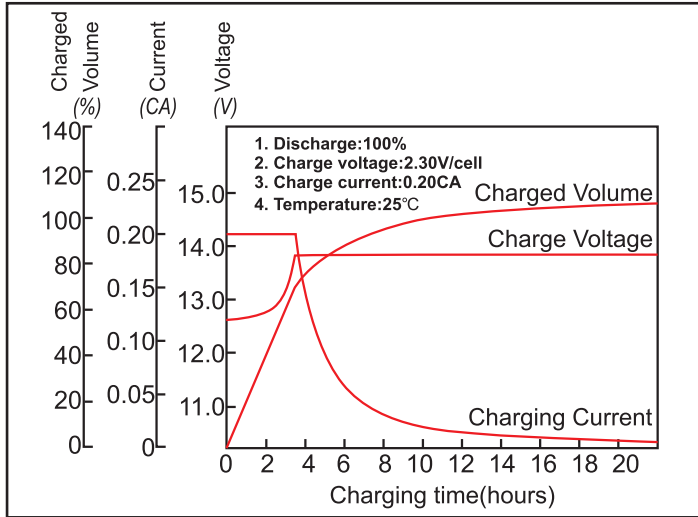


★The above are average and data obtained from the first 3 charge/discharge cycles. These are not minimum values.

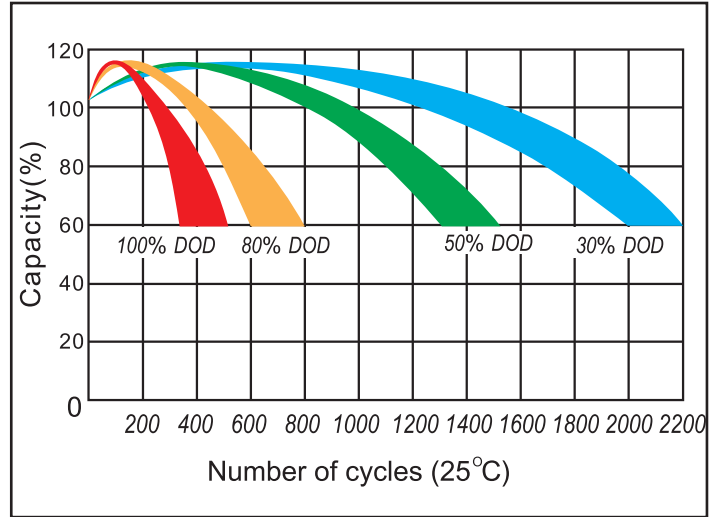
MODEL:EXP35-GEL

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 | 5min | 10min | 15min | 30min | 60min | 2h | 3h | 5h | 8h | 10h | 20h |
|----------|-------|-------|-------|-------|-------|------|-----|-----|-----|-----|-----|
| 9.60V | 108.6 | 69.8 | 59.6 | 35.6 | 20.5 | 11.9 | 8.7 | 5.8 | 3.7 | 3.2 | 1.8 |
| 10.2V | 103.7 | 66.2 | 57.2 | 34.2 | 19.8 | 11.7 | 8.5 | 5.7 | 3.6 | 3.1 | 1.7 |
| 10.5V | 100.5 | 64.2 | 55.5 | 33.4 | 19.3 | 11.6 | 8.3 | 5.6 | 3.6 | 3.1 | 1.7 |
| 10.8V | 97.4 | 62.2 | 53.6 | 32.6 | 18.8 | 11.5 | 8.1 | 5.5 | 3.5 | 3.0 | 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 | 1140.6 | 752.5 | 629.1 | 376.3 | 234.1 | 137.4 | 102.7 | 68.7 | 45.7 | 38.4 | 20.0 |
| 10.2V | 1087.3 | 715.0 | 603.4 | 360.5 | 225.2 | 135.4 | 99.7 | 67.4 | 45.3 | 38.2 | 19.8 |
| 10.5V | 1054.7 | 693.3 | 588.1 | 352.1 | 213.8 | 134.4 | 97.8 | 66.4 | 45.1 | 38.0 | 19.6 |
| 10.8V | 1022.1 | 671.5 | 572.8 | 343.7 | 202.5 | 132.9 | 95.8 | 65.4 | 44.6 | 37.8 | 19.4 |

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.