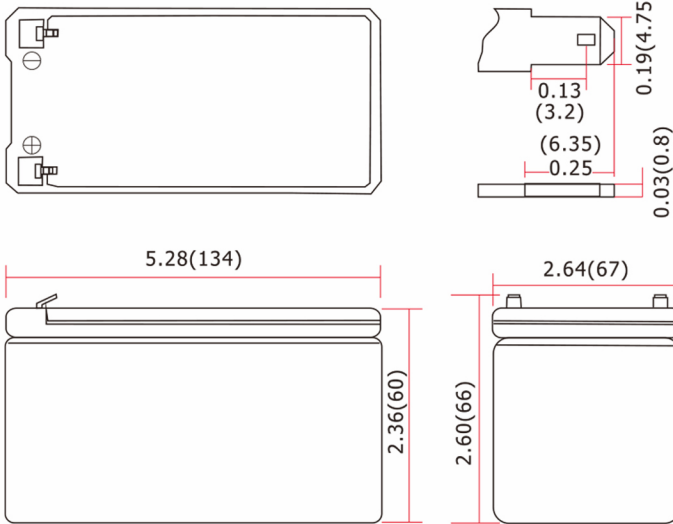
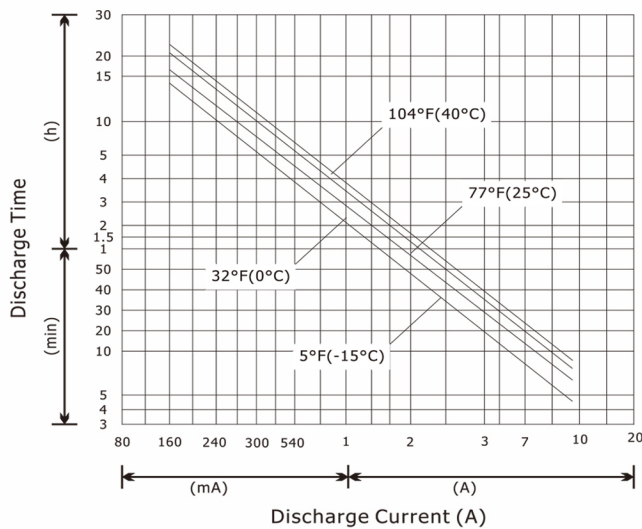


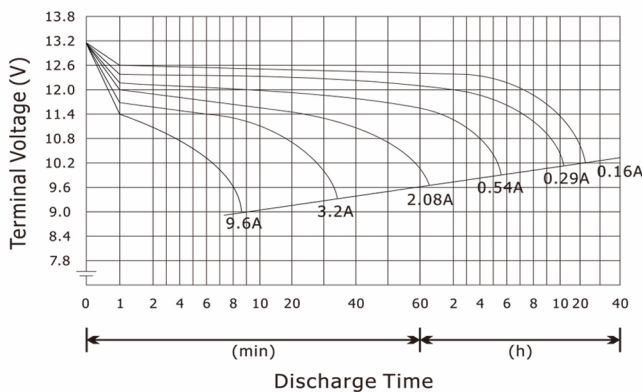
Unit: inch(mm)



Discharge Current and Discharge Duration Time



Discharge Curves 77°F(25°C)



Specification

| | | |
|--|--|-----------------------|
| Nominal Voltage | | 12V |
| Rated Capacity (20hr Rate) | | 3.2Ah |
| Dimensions | Length | 5.28inches (134mm) |
| | Width | 2.64inches (67mm) |
| | Height | 2.36inches (60mm) |
| Total Height | | 2.60inches (66mm) |
| Weight | Approx. 2.58lbs (1.17kg) | |
| Characteristics | | |
| Capacity 77°F(25°C) | 20hour rate (0.16A) | 3.20Ah |
| | 10hour rate (0.29A) | 2.94Ah |
| | 5hour rate (0.54A) | 2.72Ah |
| | 1hour rate (2.08A) | 2.08Ah |
| Internal Resistance | Full Charged, 77°F(25°C) | 55mΩ |
| Capacity Affected By Temperature (10hr Rate) | 104°F(40°C) | 102% |
| | 77°F(25°C) | 100% |
| | 32°F(0°C) | 85% |
| | 5°F(-15°C) | 65% |
| Self-Discharge 77°F(25°C) | Capacity after 3 month storage | 90% |
| | Capacity after 6 month storage | 80% |
| | Capacity after 9 month storage | 60% |
| Charge (Constant Voltage) | Initial Charge Current "LESS" than 0.96A | |
| | Cycle | 14.4-15.0V/77°F(25°C) |
| | Stand By | 13.5-13.8V/77°F(25°C) |

**These data are average values obtained from three Charge/Discharge cycles. Note: These are NOT minimum values.

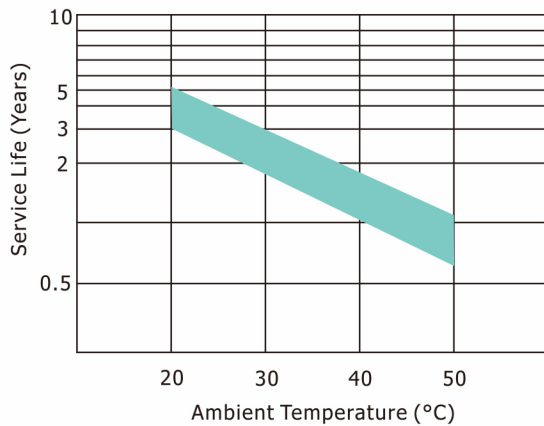
Constant Current Discharge Characteristics Unit: A (25°C / 77°F)

| F.V/Time | 5MIN | 10MIN | 15MIN | 30MIN | 1HR | 2HR | 3HR | 5HR | 8HR | 10HR | 20HR |
|----------|-------|-------|-------|-------|------|------|------|------|------|------|------|
| 9.6V | 12.70 | 7.96 | 6.03 | 3.51 | 2.06 | 1.16 | 0.81 | 0.51 | 0.35 | 0.29 | 0.17 |
| 10.0V | 11.90 | 7.60 | 5.81 | 3.42 | 2.02 | 1.14 | 0.79 | 0.50 | 0.34 | 0.29 | 0.17 |
| 10.2V | 11.40 | 7.42 | 5.71 | 3.38 | 2.00 | 1.13 | 0.78 | 0.50 | 0.34 | 0.29 | 0.16 |
| 10.5V | 10.60 | 7.09 | 5.52 | 3.30 | 1.98 | 1.12 | 0.77 | 0.49 | 0.34 | 0.28 | 0.16 |
| 10.8V | 9.70 | 6.73 | 5.27 | 3.21 | 1.95 | 1.10 | 0.75 | 0.48 | 0.33 | 0.28 | 0.16 |
| 11.1V | 8.80 | 6.30 | 5.01 | 3.09 | 1.92 | 1.08 | 0.74 | 0.46 | 0.33 | 0.27 | 0.15 |

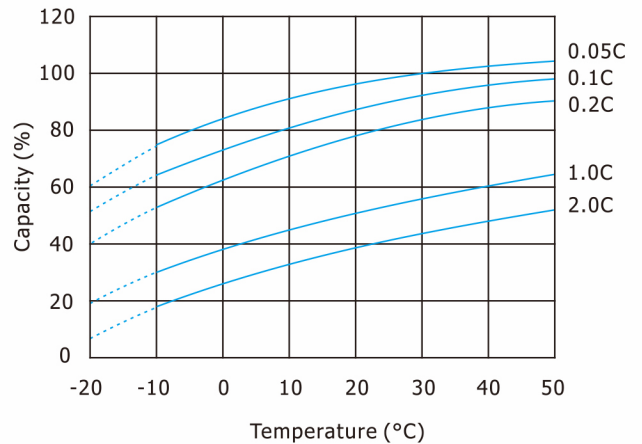
Constant Power Discharge Characteristics Unit: W (25°C / 77°F)

| F.V/Time | 5MIN | 10MIN | 15MIN | 30MIN | 1HR | 2HR | 3HR | 5HR | 8HR | 10HR | 20HR |
|----------|------|-------|-------|-------|------|------|------|------|------|------|------|
| 9.6V | 129 | 88.7 | 66.9 | 39.5 | 24.0 | 14.2 | 10.1 | 6.60 | 4.50 | 3.70 | 2.00 |
| 10.0V | 122 | 85.0 | 64.7 | 38.8 | 23.7 | 14.0 | 10.0 | 6.48 | 4.42 | 3.69 | 2.01 |
| 10.2V | 119 | 83.6 | 63.6 | 38.4 | 23.6 | 13.9 | 9.98 | 6.44 | 4.38 | 3.63 | 1.99 |
| 10.5V | 112 | 80.3 | 62.2 | 37.7 | 23.3 | 13.7 | 9.87 | 6.36 | 4.34 | 3.61 | 1.96 |
| 10.8V | 106 | 77.1 | 60.3 | 36.9 | 23.0 | 13.5 | 9.75 | 6.29 | 4.30 | 3.58 | 1.93 |
| 11.1V | 99 | 73.1 | 57.8 | 36.2 | 22.7 | 13.4 | 9.60 | 6.21 | 4.27 | 3.54 | 1.90 |

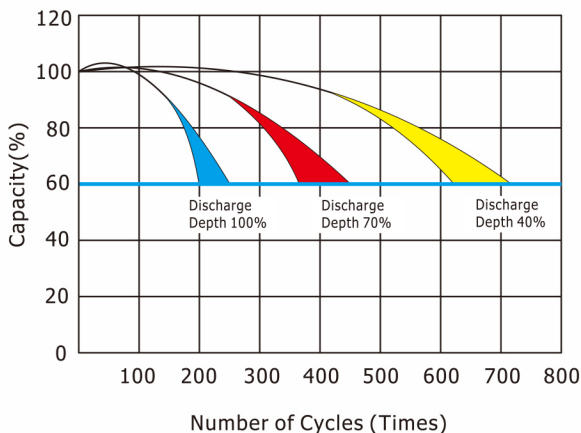
Trickle / Float Service Life



Effect of Temperature on Capacity



Cycle Service Life (@25°C/77°F)



Capacity Retention Characteristic

