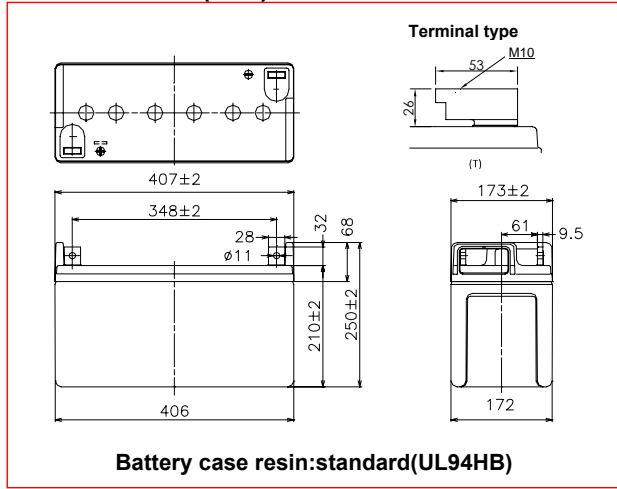


**LC-X06200**

For standby power supplies  
Expected trickle life: Approx. 6 years at 25°C, approx. 10 years at 20°C



**Dimensions(mm)**



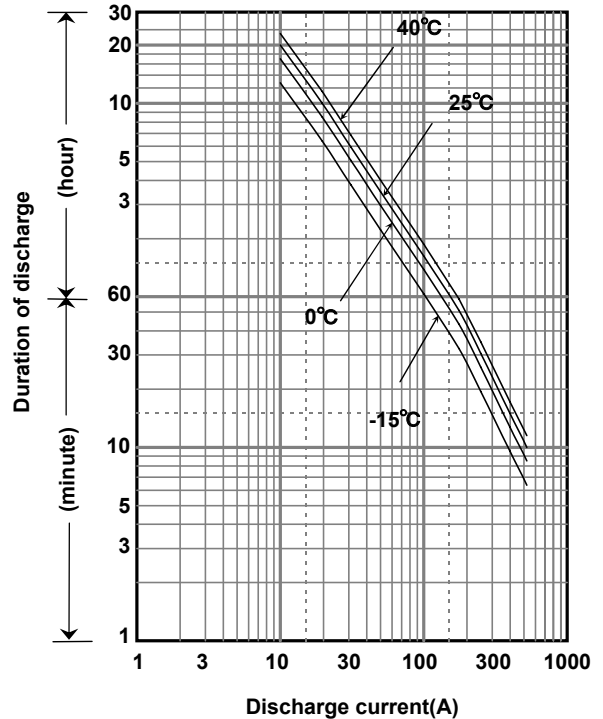
**Specification**

|                      |                       |        |
|----------------------|-----------------------|--------|
| Nominal Voltage      | 6V                    |        |
| Rated Capacity(20HR) | 200Ah                 |        |
| Dimensions           | Length                | 407mm  |
|                      | Width                 | 173 mm |
|                      | Height                | 210 mm |
|                      | Total height          | 250mm  |
| Approx. Mass         | 38.0kg                |        |
| Terminal             | M10 Bolt and Nut type |        |

**Characteristics**

|   |                               |       |
|---|-------------------------------|-------|
| Capacity (25 °C)                                  | 20 hour rate                  | 200Ah |
|   | 10 hour rate                  | 194Ah |
|   | 5 hour rate                   | 184Ah |
|   | 1 hour rate                   | 120Ah |
| Internal Resistance                               | Fully charged battery (25 °C) | 2 mΩ  |
| Temperature Dependency of Capacity (20 hour rate) | 40 °C                         | 102%  |
|   | 25 °C                         | 100%  |
|   | 0 °C                          | 85%   |
|   | -15 °C                        | 65%   |
| Self Discharge (25 °C)                            | After 3 months                | 91%   |
|   | After 6 months                | 82%   |
|   | After 12 months               | 64%   |

**Duration of discharge vs. discharge current**



**Watt Table(25°C)**

| Cut-off V | (Wattage/Battery) |       |       |       |       |     |      |     |     |     |     |     |      |      |      |
|-----------|-------------------|-------|-------|-------|-------|-----|------|-----|-----|-----|-----|-----|------|------|------|
|           | 10min             | 15min | 20min | 30min | 45min | 1h  | 1.5h | 2h  | 3h  | 4h  | 5h  | 6h  | 10h  | 20h  | 24h  |
| 4.8V      | 2306              | 1834  | 1592  | 1206  | 892   | 733 | 582  | 430 | 281 | 226 | 170 | 154 | 88.3 | 47.0 | 38.5 |
| 4.95V     | 2254              | 1790  | 1554  | 1177  | 869   | 714 | 567  | 419 | 276 | 221 | 165 | 149 | 85.3 | 47.0 | 38.5 |
| 5.1V      | 2204              | 1726  | 1498  | 1139  | 877   | 694 | 551  | 413 | 272 | 216 | 160 | 145 | 84.3 | 46.5 | 38.0 |
| 5.25V     | 2134              | 1705  | 1487  | 1130  | 852   | 675 | 536  | 405 | 267 | 213 | 160 | 145 | 83.3 | 46.5 | 38.0 |
| 5.4V      | 1947              | 1624  | 1479  | 1094  | 840   | 666 | 528  | 395 | 262 | 208 | 155 | 150 | 82.3 | 45.5 | 37.2 |

**Ampere Table(25°C)**

| Cut-off V | (Ampere/Battery) |       |       |       |       |     |      |      |      |      |      |      |      |      |      |
|-----------|------------------|-------|-------|-------|-------|-----|------|------|------|------|------|------|------|------|------|
|           | 10min            | 15min | 20min | 30min | 45min | 1h  | 1.5h | 2h   | 3h   | 4h   | 5h   | 6h   | 10h  | 20h  | 24h  |
| 4.8V      | 530              | 402   | 348   | 260   | 184   | 153 | 104  | 82.6 | 55.4 | 42.8 | 37.2 | 31.2 | 19.8 | 10.0 | 8.40 |
| 4.95V     | 524              | 400   | 346   | 258   | 179   | 152 | 102  | 82.0 | 54.4 | 42.4 | 36.6 | 31.2 | 19.8 | 10.0 | 8.40 |
| 5.1V      | 522              | 398   | 342   | 254   | 178   | 151 | 101  | 81.0 | 54.0 | 42.0 | 36.0 | 31.0 | 19.6 | 10.0 | 8.40 |
| 5.25V     | 476              | 376   | 326   | 250   | 176   | 150 | 100  | 80.0 | 54.0 | 42.0 | 36.0 | 31.0 | 19.6 | 10.0 | 8.40 |
| 5.4V      | 452              | 364   | 318   | 246   | 152   | 130 | 90.0 | 76.0 | 51.6 | 41.0 | 35.6 | 30.0 | 19.4 | 9.80 | 8.40 |

### Charging Method

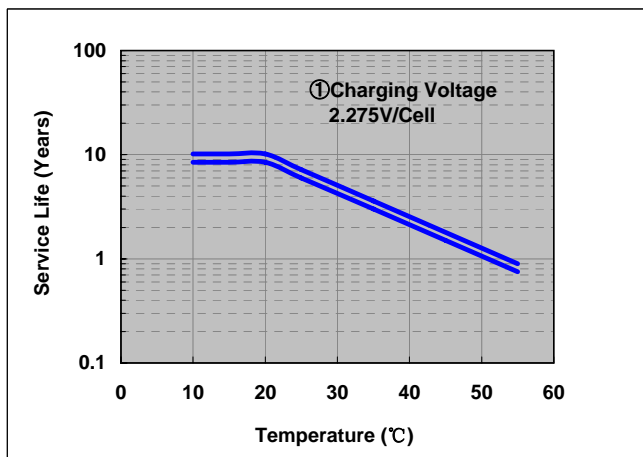
(25°C)

|             |  |
|-------------|--|
| Trickle use | Control voltage 6.80-6.90V; Initial current 30A or smaller |
|-------------|--|

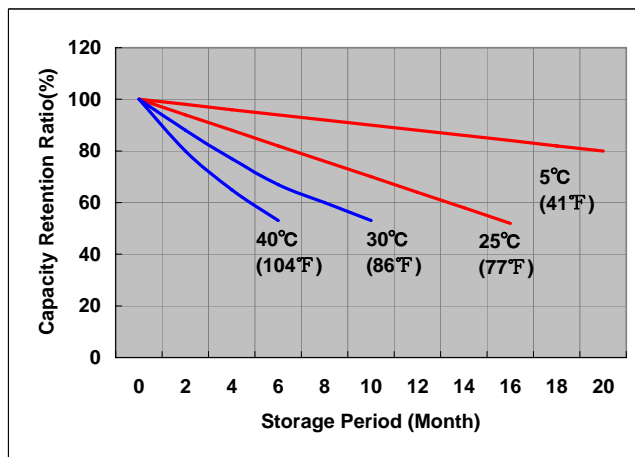
### Cut off voltage

| Discharge current  | 10A-40A | 40A-100A | 100A-200A | 200A-400A | 400A-600A |
|--------------------|---------|----------|-----------|-----------|-----------|
| Cut off voltage(V) | 5.25    | 5.1      | 4.95      | 4.65      | 4.35      |

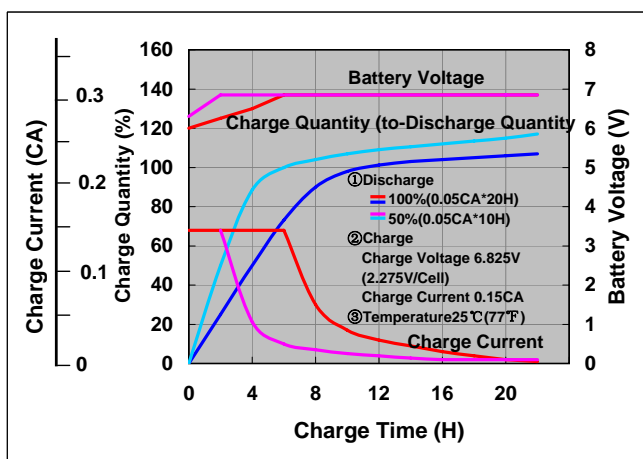
### Influence of Temperature on Trickle life



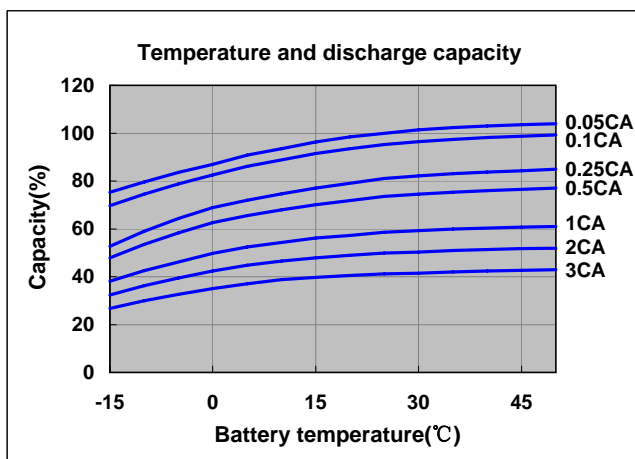
### Residual capacity test result



### Constant-voltage and constant-current charge characteristics



### Discharge capacity by temperature and by discharge current



### Discharge characteristics(25°C)

