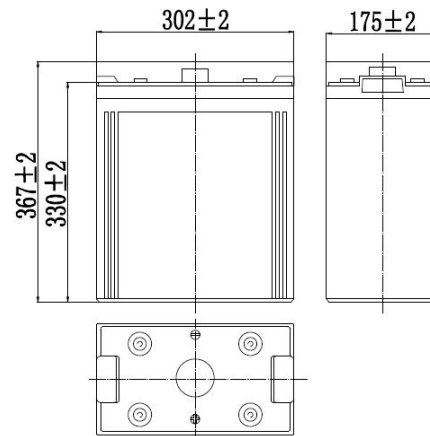
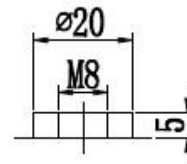


Specifications

| | | |
|--|--------------|---|
| Nominal Voltage | | 2 V |
| Capacity (25°C) | 10HR(1.80V) | 600 Ah |
| | 3HR(1.75V) | 468Ah |
| | 1HR(1.75V) | 348Ah |
| Dimension | Length | 302±2mm (11.89inch) |
| | Width | 175±2mm (6.89inch) |
| | Height | 330±2mm (12.99inch) |
| | Total Height | 367±2mm (14.45inch) |
| Approx. Weight | | 36kg (80.5lbs)±4% |
| Terminal type | | F12 |
| Internal resistance (Fully charged, 25°C) | | Approx. 0.45mΩ |
| Capacity affected by temperature (10HR) | 40°C | 102% |
| | 25°C | 100% |
| | 0°C | 85% |
| | -15°C | 65% |
| Self-discharge (25°C) | 3 month | Remaining Capacity: 91% |
| | 6 month | Remaining Capacity: 82% |
| | 12 month | Remaining Capacity: 65% |
| Nominal operating temperature | | 25°C ± 3°C (77°F ± 5°F) |
| Operating temperature range | Discharge | -15°C ~ 50°C (5°F ~ 122°F) |
| | Charge | -10°C ~ 50°C (14°F ~ 122°F) |
| | Storage | -20°C ~ 50°C (-4°F ~ 122°F) |
| Float charging voltage(25°C) | | 2.25 to 2.30V Temperature compensation: -3mV/°C |
| Cyclic charging voltage(25°C) | | 2.42 to 2.50V Temperature compensation: -5mV/°C |
| Maximum charging current | | 120A |
| Maximum discharge current | | 4000A(5 sec.) |
| Designed floating life(20°C) | | 15~18 years |

Dimensions

Terminal

Terminal F12
Constant Current Discharge Characteristics (A, 25°C)

| F.V/TIME | 15min | 30min | 60min | 2h | 3h | 4h | 5h | 6h | 8h | 10h | 20h |
|----------|-------|-------|-------|-----|-----|-----|-----|------|------|------|------|
| 1.60V | 834 | 546 | 375 | 221 | 159 | 127 | 110 | 94.2 | 74.4 | 61.4 | 32.4 |
| 1.65V | 814 | 535 | 369 | 220 | 158 | 127 | 109 | 93.7 | 73.9 | 61.3 | 32.3 |
| 1.70V | 784 | 519 | 360 | 218 | 157 | 126 | 108 | 93.0 | 73.4 | 61.1 | 32.2 |
| 1.75V | 757 | 506 | 353 | 215 | 156 | 125 | 107 | 92.4 | 72.9 | 60.7 | 32.0 |
| 1.80V | 717 | 488 | 342 | 209 | 151 | 121 | 104 | 89.6 | 70.7 | 60.3 | 31.8 |

Constant Power Discharge Characteristics (Watt, 25°C)

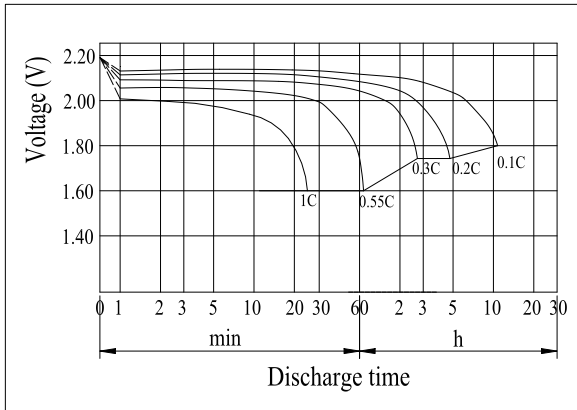
| F.V/TIME | 15min | 30min | 60min | 2h | 3h | 4h | 5h | 6h | 8h | 10h | 20h |
|----------|-------|-------|-------|-----|-----|-----|-----|-----|-----|-----|------|
| 1.60V | 1526 | 1021 | 713 | 427 | 312 | 250 | 216 | 186 | 148 | 122 | 64.7 |
| 1.65V | 1490 | 1001 | 702 | 424 | 310 | 248 | 215 | 185 | 147 | 122 | 64.6 |
| 1.70V | 1435 | 970 | 684 | 420 | 308 | 246 | 213 | 183 | 146 | 122 | 64.4 |
| 1.75V | 1386 | 946 | 670 | 414 | 306 | 245 | 212 | 182 | 145 | 121 | 64.0 |
| 1.80V | 1313 | 912 | 650 | 404 | 297 | 237 | 205 | 177 | 141 | 120 | 63.6 |

Note: The above characteristics data can be obtained within three charge/discharge cycles.

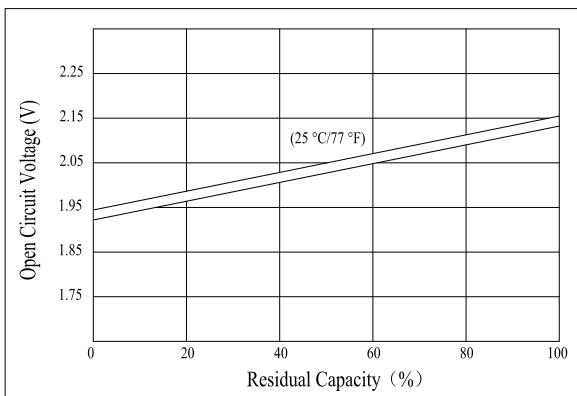
Construction

| Component | Positive plate | Negative plate | Container | Cover | Separator | Electrolyte | Safety valve | Terminal |
|--------------|----------------|----------------|-----------|-------|-----------|---------------|--------------|----------|
| Raw material | Lead dioxide | Lead | ABS | ABS | AGM | Sulfuric acid | Rubber | Copper |

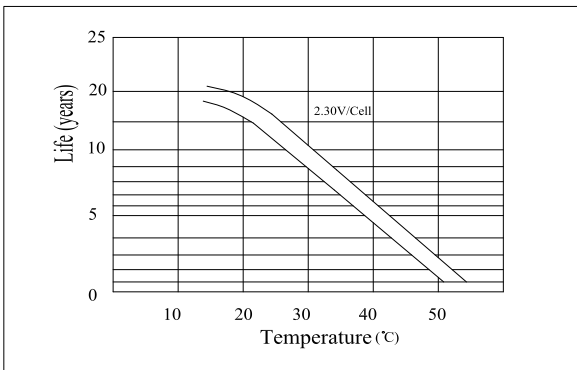
Discharge Characteristics(25°C)



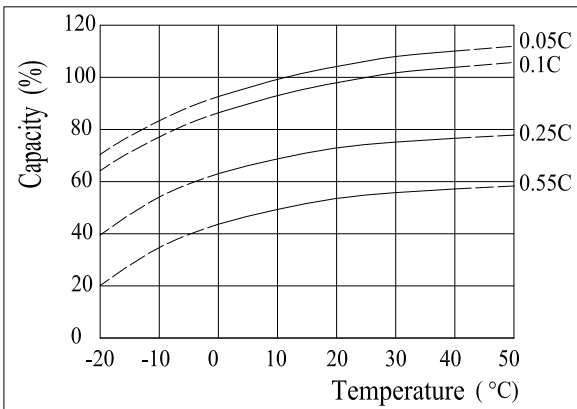
The Relationship for Open Circuit Voltage and Residual Capacity (25°C)



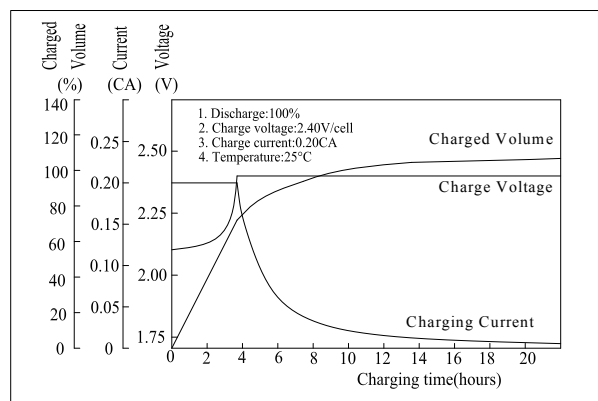
Floating Life on Temperature



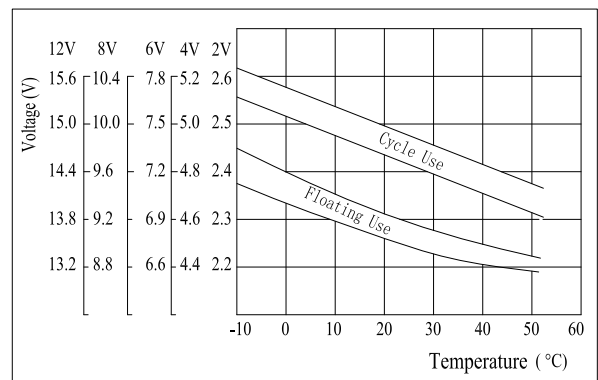
Effect of Temperature on Capacity



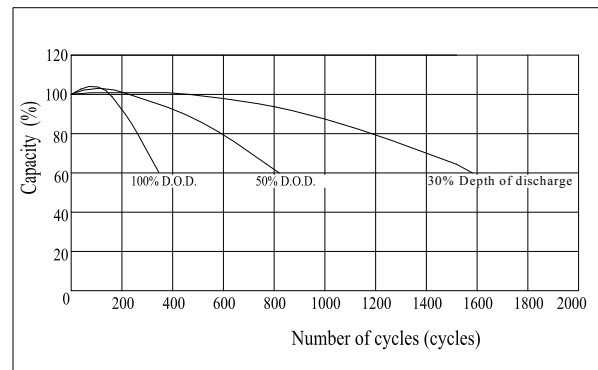
Charging Characteristics(25°C)



The Relationship for Charging Voltage and Temperature



Cycle Life on D.O.D(25°C)



Self-discharge Characteristics

