



UNL350-2 (2V350Ah/10hr)

The rechargeable batteries are lead-lead dioxide systems. The dilute sulfuric acid electrolyte is absorbed by separators and thus immobilized.

Should the battery be accidentally overcharged producing hydrogen and oxygen, Special one-way valves allow the gases to escape thus avoiding excessive pressure build-up. Otherwise, the battery is completely sealed and is, therefore, maintenance-free, leak proof and usable in any position.

Battery Construction

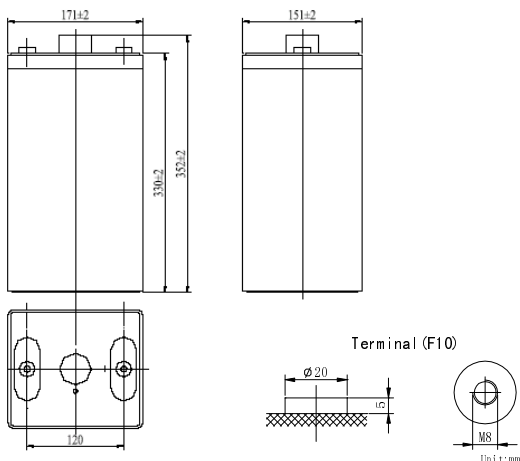
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|--------------|----------------|----------------|-----------|-------|--------------|----------|------------|---------------|
| Component | Positive plate | Negative plate | Container | Cover | Safety valve | Terminal | Separator | Electrolyte |
|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

General Feature

- Absorbent Glass Mat(AGM) technology for efficient gas recombination of up to 99% and freedom from electrolyte maintenance or water adding.
- Not restricted for air transport-complies with IATA/ICAO Special Provision A67.
- UL-recognized component.
- Can be mounted in any orientation.
- Computer designed lead, calcium tin alloy grid for high power density.
- Long service life, float or cyclic applications.
- Maintenance-free operation.
- Low self discharge.

SPECIFICATION

Nominal voltage 2V
 Number of cell 1
 Length(mm/inch) 171/6.73
 Width(mm/inch) 151/5.94
 Height(mm/inch) 330/13.0
 Total Height(mm/inch) 364/14.3
 Approx. Weight(kg/lbs) 20.5/45.2



Total height with removable cover:364

Performance Characteristics

| | | |
|---|---|-------|
| Capacity 77°F(25°C) | 10 hour rate (35A、1.8V) | 350Ah |
| | 5 hour rate (61A、1.75V) | 305Ah |
| | 3 hour rate (90A、1.70V) | 270Ah |
| | 1 hour rate (215A、1.60V) | 215Ah |
| Internal Resistance | Full charged Battery77°F(25°C): 0.8mΩ | |
| Capacity affected by Temperature (10 hour rate) | 104° F(40°C) | 102% |
| | 77° F(25°C) | 100% |
| | 32° F(10°C) | 85% |
| | 5° F(-15°C) | 65% |
| Self-Discharge 68°F(20°C) | Capacity after 3 month storage | 90% |
| | Capacity after 6 month storage | 80% |
| | Capacity after 12month storage | 60% |
| Max. discharge current77°F(25°C): 1500A(5S) | | |
| Charge (Constant Voltage) | Float: 2.25~2.30 V/77° F(25°C) | |
| | Cycle:2.35~2.45 V/77°F(25°C) Max. Current: 70A | |

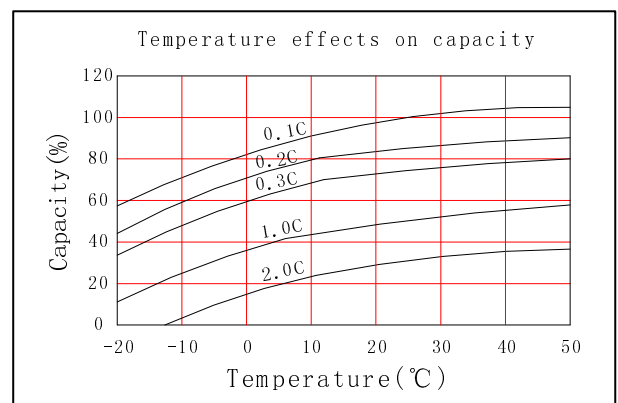
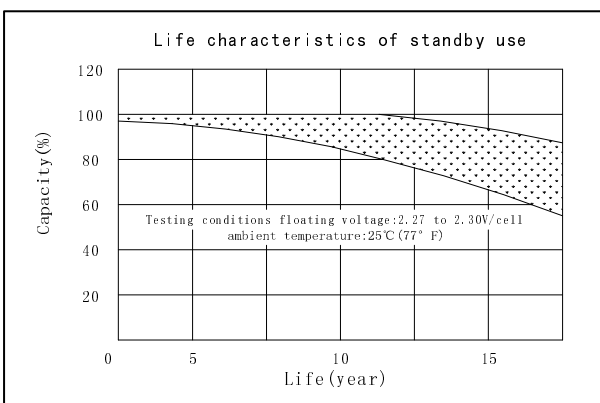
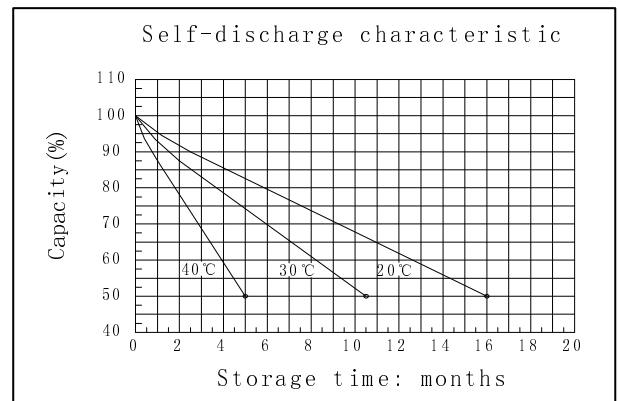
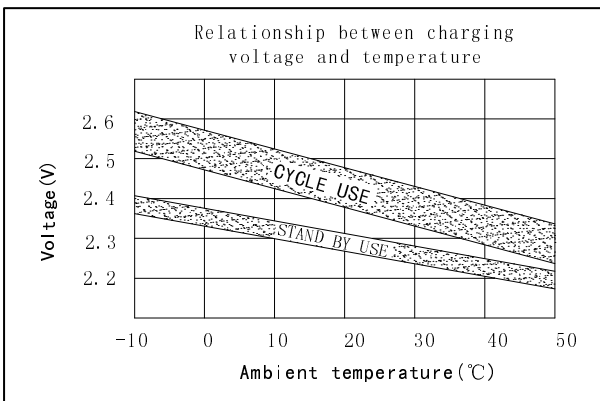
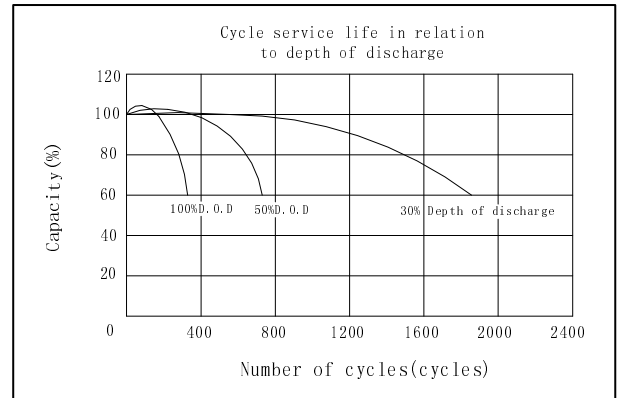
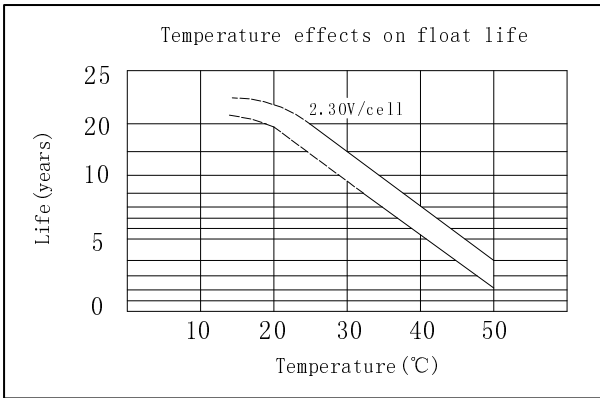
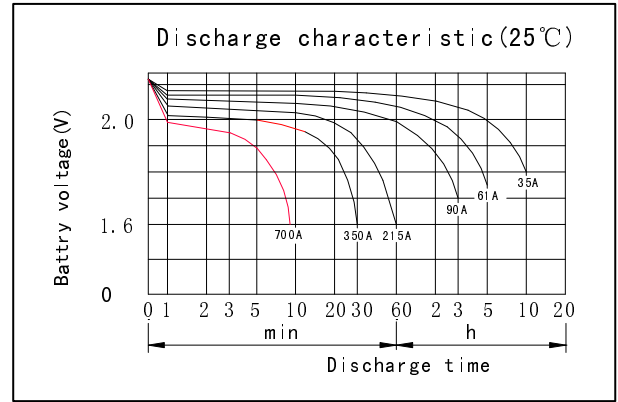
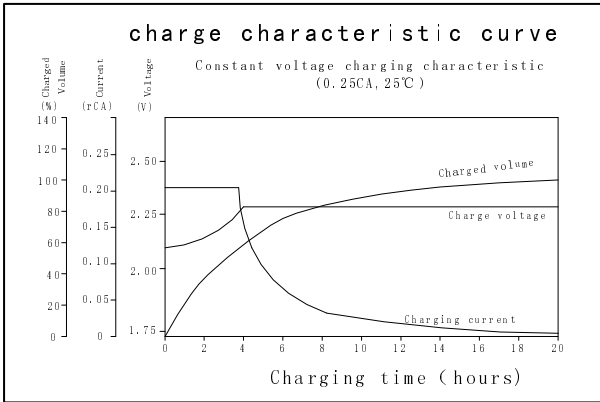
Discharge Constant Current (Amperes at 77° F25 °C)

| End Point Volts/Cell | 5min | 10min | 15min | 30min | 45min | 1h | 3h | 5h | 10h |
|----------------------|------|-------|-------|-------|-------|-----|------|------|------|
| 1.60V | | 571 | 513 | 348 | 278 | 215 | 97.5 | 66.0 | 37.2 |
| 1.65V | | 541 | 489 | 336 | 267 | 209 | 94.0 | 64.6 | 36.8 |
| 1.70V | | 510 | 464 | 325 | 255 | 203 | 90.0 | 62.8 | 36.3 |
| 1.75V | | 479 | 438 | 315 | 243 | 196 | 86.0 | 61.0 | 35.7 |
| 1.80V | | 446 | 411 | 301 | 230 | 188 | 81.0 | 59.0 | 35.0 |

Discharge Constant Power (watts at 77° F 25°C)

| End Point Volts/Cell | 5min | 10min | 15min | 30min | 45min | 1h | 2h | 3h | 5h |
|----------------------|------|-------|-------|-------|-------|-----|-----|-----|-----|
| 1.60V | | 1020 | 914 | 699 | 547 | 442 | 284 | 201 | 132 |
| 1.65V | | 960 | 869 | 668 | 529 | 426 | 277 | 196 | 130 |
| 1.70V | | 900 | 825 | 637 | 509 | 410 | 269 | 191 | 127 |
| 1.75V | | 841 | 780 | 606 | 491 | 393 | 261 | 186 | 124 |
| 1.80V | | 782 | 736 | 575 | 471 | 377 | 252 | 180 | 120 |

(Note)The above characteristics data are average values obtained Within three charge/discharge cycles not the minimum values.



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