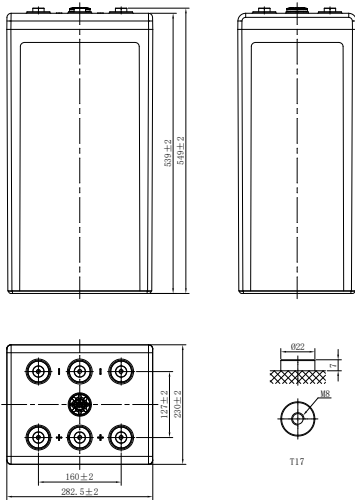


LPL SERIES-LONG LIFE STANDBY

LPL2-1500H (2V1500Ah)



CHARACTERISTICS

| Item | Specifications | |
|-------------------------------|---|----------------------|
| Rated Voltage | 2V | |
| Nominal Capacity (25°C) | C ₁₀ , 1.80V/cell | 1500Ah |
| Dimension | Length | 282.5mm (11.1inches) |
| | Width | 230mm (9.06inches) |
| | Container Height | 539mm (21.2inches) |
| | Total Height | 549mm (21.6inches) |
| Approx Weight | 91.5kg (201.7lbs) | |
| Terminal | T17(M8) | |
| Container Material | ABS (UL94 HB or V-0 optional) | |
| Short-circuit current | 13500A | |
| Internal Resistance (25°C) | Approx 0.3 mΩ (Fully charged) | |
| Operating Temp. Range | Discharge | -15~50°C (5~122°F) |
| | Charge | -20~40°C (-4~104°F) |
| | Storage | -15~40°C (5~104°F) |
| Nominal Operating Temp. Range | 25±3°C (77±5°F) | |
| Max.Charging Current (25°C) | 0.3C | |
| Charge voltage (25°C) | Standby Use | Cycle Use |
| | 2.25-2.30V/cell | 2.35-2.40V/cell |
| Temp. Coefficient | -3mV/cell/°C | |
| | -5mV/cell/°C | |
| Effect of temp. to Capacity | 40°C (104°F) | 103% |
| | 25°C (77°F) | 100% |
| | 0°C (32°F) | 86% |
| Self Discharge | ≤3% per month at 25°C (77°F). | |
| | LPL series batteries may be stored up to 6 months at 25°C (77°F) and then a freshening charge is required. For higher temperatures the time interval will be shorter. | |

DISCHARGE TABLE

| Constant Current Discharge (Amperes) at 25°C (77°F) | | | | | | | | | | | | |
|--|--------|--------|--------|--------|-------|-------|-------|-------|-------|-------|-------|-------|
| F.V/Time | 30min | 45min | 1h | 1.5h | 2h | 3h | 4h | 5h | 6h | 8h | 10h | 20h |
| 1.85V/cell | 909.5 | 719.1 | 652.9 | 498.8 | 404.0 | 307.4 | 260.2 | 219.6 | 190.6 | 154.9 | 129.5 | 69.4 |
| 1.80V/cell | 1044.6 | 802.2 | 755.6 | 590.0 | 475.3 | 375.0 | 303.3 | 255.8 | 221.1 | 179.4 | 150.0 | 79.2 |
| 1.75V/cell | 1092.9 | 836.2 | 826.4 | 609.9 | 489.9 | 380.9 | 310.9 | 261.6 | 225.7 | 182.6 | 151.8 | 80.2 |
| 1.70V/cell | 1163.5 | 859.7 | 833.6 | 630.5 | 505.5 | 392.0 | 318.8 | 267.6 | 230.6 | 185.9 | 154.2 | 81.2 |
| 1.67V/cell | 1195.7 | 867.9 | 840.5 | 641.9 | 514.0 | 397.9 | 323.2 | 270.9 | 233.3 | 187.8 | 155.5 | 81.8 |
| 1.60V/cell | 1217.9 | 886.5 | 844.8 | 670.5 | 535.4 | 407.5 | 333.9 | 279.2 | 239.9 | 192.3 | 158.8 | 83.3 |
| Constant Power Discharge (Watts/cell) at 25°C (77°F) | | | | | | | | | | | | |
| F.V/Time | 30min | 45min | 1h | 1.5h | 2h | 3h | 4h | 5h | 6h | 8h | 10h | 20h |
| 1.85V/cell | 1686.2 | 1337.6 | 1224.1 | 938.1 | 761.8 | 584.5 | 501.2 | 423.7 | 368.4 | 300.0 | 251.2 | 135.3 |
| 1.80V/cell | 1920.1 | 1481.0 | 1406.8 | 1103.3 | 891.6 | 710.2 | 582.1 | 492.0 | 426.1 | 346.6 | 290.4 | 154.2 |
| 1.75V/cell | 1991.6 | 1531.8 | 1519.4 | 1133.4 | 913.8 | 718.1 | 594.4 | 501.6 | 433.9 | 352.2 | 293.5 | 156.1 |
| 1.70V/cell | 2100.5 | 1562.2 | 1521.9 | 1164.6 | 938.0 | 735.6 | 607.3 | 511.5 | 442.1 | 357.7 | 297.6 | 157.9 |
| 1.67V/cell | 2137.5 | 1569.1 | 1527.0 | 1181.0 | 950.2 | 744.6 | 614.2 | 516.8 | 446.5 | 361.0 | 299.9 | 159.0 |
| 1.60V/cell | 2158.2 | 1585.3 | 1520.1 | 1223.4 | 982.5 | 758.2 | 631.4 | 530.3 | 457.2 | 368.4 | 305.4 | 161.7 |

LPL SERIES-LONG LIFE STANDBY

LPL2-1500H (2V1500Ah)



APPLICATIONS

- Tele-communication central station (wired or cellular)
- Power system communication, military communication, etc.
- Network communication including: data transmission, television signal transmission, etc.
- Uninterruptable Power System (UPS- for Telecom)
- EPS

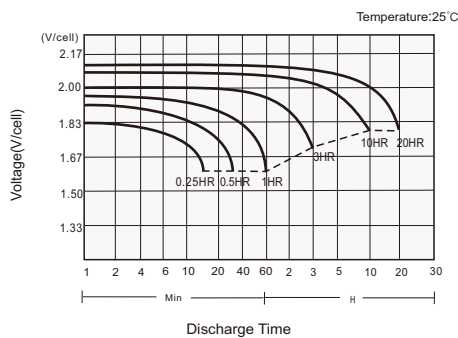
GENERAL FEATURES

- 16 years design life (25°C)
- Lead calcium alloy, sealed design, no watering required
- Puncture resistant micro-porous glass mat separators extend life
- Unique technology optimizes power capacity, cell consistency, and long-term reliability
- Designed for a wide range of applications

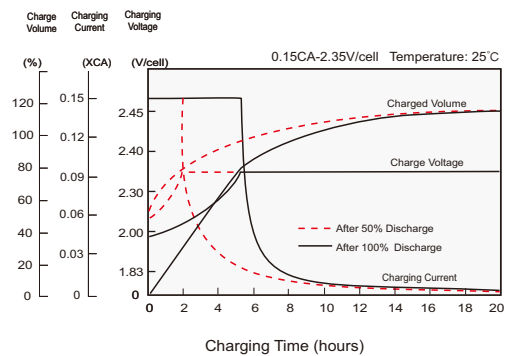
STANDARDS

- Compliance with IEC 60896 standards, EU Battery Directive
- UL, CE Approved
- Manufactured in Leoch@IATF 16949, ISO 45001, ISO 9001 and ISO 14001 certified production facilities

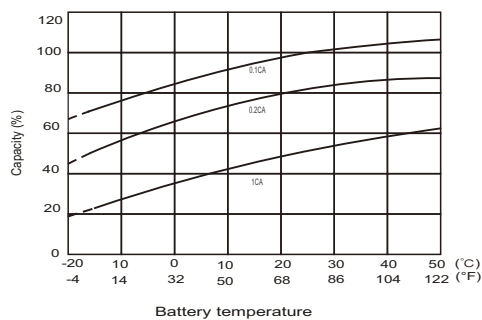
Discharge Characteristics



Charging Characteristics



Effects of Temperature on Capacity



Self Discharge Characteristics

