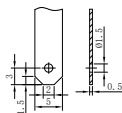
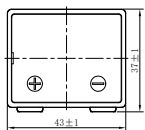
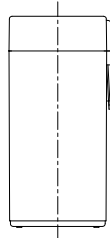
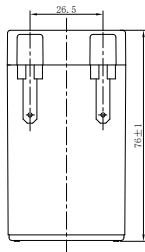


LP SERIES-GENERAL PURPOSE

LP6-2.0 (6V2.0Ah)



CHARACTERISTICS

| Item | Specifications | |
|-------------------------------|--|---------------------|
| Rated Voltage | 6V | |
| Nominal Capacity (25°C) | C ₂₀ , 1.75V/cell | 2.0Ah |
| Dimension | Length | 43mm (1.69inches) |
| | Width | 37mm (1.46inches) |
| | Container Height | 76mm (2.99inches) |
| | Total Height | 76mm (2.99inches) |
| Approx Weight | 0.33kg (0.728lbs) | |
| Terminal | / | |
| Container Material | ABS (UL94 HB or V-0 optional) | |
| Short-circuit current | 56A | |
| Internal Resistance (25°C) | Approx 45 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 | 2.35-2.45V/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). | |
| | LP 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 | 5min | 10min | 15min | 20min | 30min | 45min | 1h | 1.5h | 2h | 3h | 4h | 5h | 6h | 8h | 10h | 20h |
| 1.85V/cell | 5.42 | 3.86 | 3.15 | 2.46 | 1.81 | 1.32 | 1.08 | 0.812 | 0.657 | 0.488 | 0.399 | 0.343 | 0.294 | 0.232 | 0.185 | 0.098 |
| 1.80V/cell | 5.83 | 4.09 | 3.31 | 2.56 | 1.87 | 1.36 | 1.11 | 0.829 | 0.669 | 0.496 | 0.405 | 0.348 | 0.299 | 0.235 | 0.187 | 0.099 |
| 1.75V/cell | 6.14 | 4.25 | 3.42 | 2.63 | 1.92 | 1.39 | 1.13 | 0.845 | 0.681 | 0.504 | 0.410 | 0.353 | 0.302 | 0.238 | 0.189 | 0.100 |
| 1.70V/cell | 6.43 | 4.42 | 3.53 | 2.71 | 1.97 | 1.42 | 1.15 | 0.859 | 0.691 | 0.511 | 0.416 | 0.358 | 0.306 | 0.240 | 0.191 | 0.101 |
| 1.67V/cell | 6.66 | 4.55 | 3.62 | 2.76 | 2.00 | 1.44 | 1.17 | 0.870 | 0.699 | 0.516 | 0.420 | 0.361 | 0.308 | 0.242 | 0.192 | 0.102 |
| 1.60V/cell | 7.06 | 4.74 | 3.74 | 2.85 | 2.05 | 1.48 | 1.20 | 0.889 | 0.713 | 0.526 | 0.427 | 0.367 | 0.313 | 0.245 | 0.195 | 0.103 |
| Constant Power Discharge (Watts/cell) at 25°C (77°F) | | | | | | | | | | | | | | | | |
| F.V/Time | 5min | 10min | 15min | 20min | 30min | 45min | 1h | 1.5h | 2h | 3h | 4h | 5h | 6h | 8h | 10h | 20h |
| 1.85V/cell | 10.3 | 7.34 | 6.04 | 4.74 | 3.50 | 2.57 | 2.11 | 1.59 | 1.29 | 0.959 | 0.786 | 0.678 | 0.582 | 0.459 | 0.367 | 0.196 |
| 1.80V/cell | 10.9 | 7.73 | 6.30 | 4.91 | 3.60 | 2.63 | 2.15 | 1.61 | 1.31 | 0.973 | 0.796 | 0.687 | 0.590 | 0.466 | 0.372 | 0.198 |
| 1.75V/cell | 11.4 | 7.98 | 6.47 | 5.02 | 3.67 | 2.67 | 2.19 | 1.64 | 1.33 | 0.986 | 0.806 | 0.695 | 0.596 | 0.470 | 0.375 | 0.200 |
| 1.70V/cell | 11.8 | 8.24 | 6.64 | 5.13 | 3.75 | 2.72 | 2.22 | 1.66 | 1.34 | 0.998 | 0.815 | 0.703 | 0.602 | 0.475 | 0.379 | 0.202 |
| 1.67V/cell | 12.1 | 8.43 | 6.79 | 5.23 | 3.81 | 2.76 | 2.25 | 1.68 | 1.36 | 1.01 | 0.822 | 0.708 | 0.607 | 0.478 | 0.381 | 0.203 |
| 1.60V/cell | 12.6 | 8.68 | 6.97 | 5.36 | 3.89 | 2.81 | 2.29 | 1.71 | 1.38 | 1.02 | 0.834 | 0.718 | 0.615 | 0.484 | 0.386 | 0.205 |

LP SERIES-GENERAL PURPOSE

LP6-2.0 (6V2.0Ah)



APPLICATIONS

- Uninterruptable Power Supply (UPS)
- Electric Power System (EPS)
- Emergency backup power supply
- Alarm and security system
- Communication power supply
- DC power supply
- Auto control system

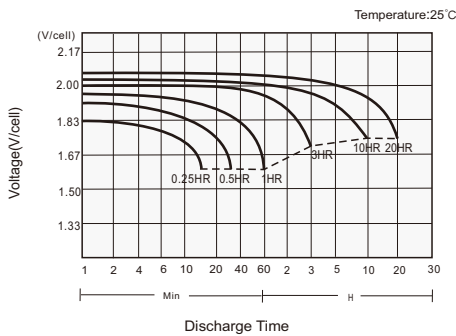
GENERAL FEATURES

- 5 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

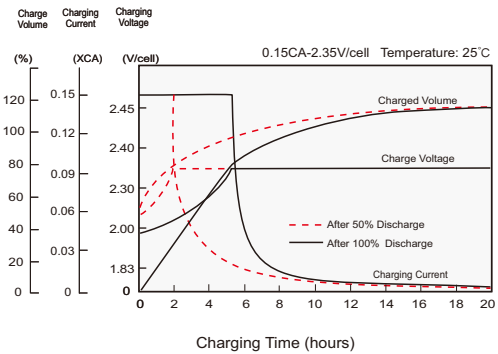
STANDARDS

- 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

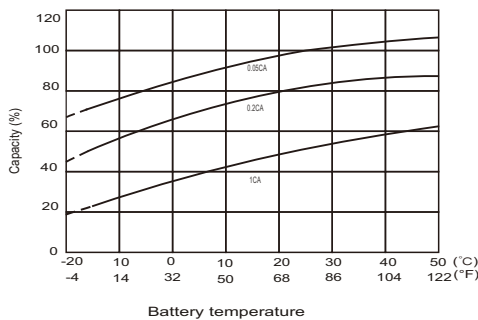
Discharge Characteristics



Charging Characteristics



Effects of Temperature on Capacity



Self Discharge Characteristics

