



LP12-10H (12V 10Ah)

| Specifications | |
|-------------------------------|--|
| Rated Voltage | 12 |
| Nominal Capacity | 10.0Ah (C ₂₀ , 1.75V/cell) |
| Dimensions | Length 151 mm |
| | Width 65 mm |
| | Container Height 111 mm |
| | Total Height 117 mm |
| Approx. Weight | 3.11 Kg (6.86 lbs) |
| Terminal | T2 |
| Layout | 3 |
| Container material | ABS |
| Rated Capacity (25°C) | 10.0 Ah (20hr, 0.50A, 1.75V/cell) |
| | 9.30 Ah (10hr, 0.93A, 1.75V/cell) |
| | 8.50 Ah (5hr, 1.70A, 1.75V/cell) |
| | 7.65 Ah (3hr, 2.55A, 1.75V/cell) |
| | 6.28 Ah (1hr, 6.28A, 1.60V/cell) |
| Max. Discharge Current | 150A (5s) |
| Internal Resistance (25°C) | Approx 24mΩ |
| | Discharge: -15°C ~50°C (5~122°F) |
| Operating Temp. Range | Charge: 0°C ~40°C (32~104°F) |
| | Storage: -15°C ~40°C (5~104°F) |
| Nominal Operating Temp. Range | 25±3°C (77±5°F) |
| Cycle Use | Initial Charging Current less than 3.0A. Voltage 14.4V~15.0V at 25°C (77 °F)Temp. Coefficient -30mV/°C |
| | Standby Use |
| Effect Of Temp. To Capacity | 40°C (104°F) 103% |
| | 25°C (77°F) 100% |
| | 0°C (32°F) 86% |
| Self Discharge | LP series batteries may be stored for 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. |



Description and Features

The LP Series AGM batteries have been specially developed to be widely applicable. These lead acid batteries with AGM technology are completely sealed and therefore 100% maintenance free and leak-proof. These batteries have a low self-discharge. The reliable and safe multipurpose batteries from the LP Series offer a long service life and can be used in various industries.

Features

- Absorbent Glass Mat technology
- Reliable and safe performance
- Long service life - 3-5 years in standby application (at 25°C)
- Suitable for multipurpose applications

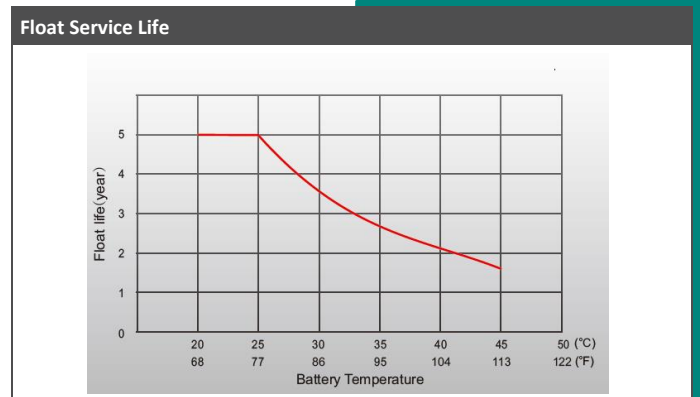
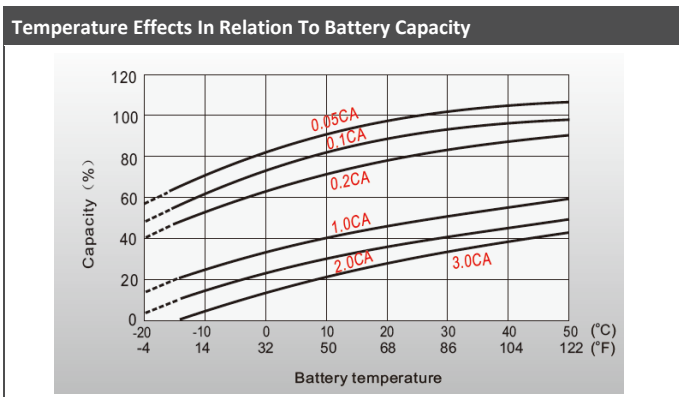
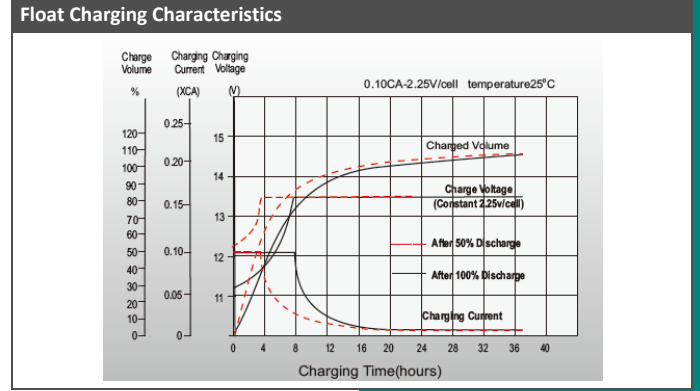
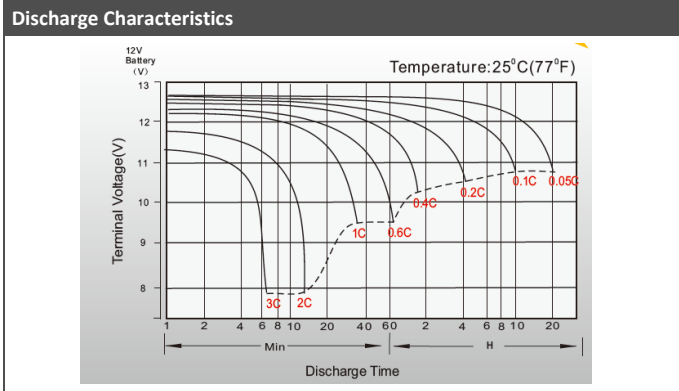
| Layout | Terminal | UL certification |
|--------|----------|------------------|
| | | |

| Constant Current Discharge Characteristics: A (25°C) | | | | | | | | | | | | | | | | |
|--|-------|--------|--------|--------|--------|--------|------|--------|------|------|------|------|------|------|-------|-------|
| F.V/Time | 5 Min | 10 Min | 15 Min | 20 Min | 30 Min | 45 Min | 1 Hr | 1.5 Hr | 2 Hr | 3 Hr | 4 Hr | 5 Hr | 6 Hr | 8 Hr | 10 Hr | 20 Hr |
| 1.85V/cell | 29.6 | 21.3 | 16.3 | 13.7 | 10.1 | 7.16 | 5.68 | 4.75 | 3.28 | 2.47 | 2.01 | 1.65 | 1.44 | 1.12 | 0.909 | 0.489 |
| 1.80V/cell | 31.9 | 22.6 | 17.1 | 14.2 | 10.5 | 7.36 | 5.82 | 4.84 | 3.34 | 2.51 | 2.04 | 1.68 | 1.46 | 1.13 | 0.921 | 0.495 |
| 1.75V/cell | 33.6 | 23.5 | 17.7 | 14.6 | 10.7 | 7.52 | 5.94 | 4.93 | 3.40 | 2.55 | 2.07 | 1.70 | 1.48 | 1.15 | 0.930 | 0.500 |
| 1.70V/cell | 35.2 | 24.4 | 18.3 | 15.0 | 11.0 | 7.68 | 6.05 | 5.02 | 3.45 | 2.59 | 2.10 | 1.72 | 1.50 | 1.16 | 0.940 | 0.504 |
| 1.67V/cell | 36.4 | 25.1 | 18.8 | 15.3 | 11.2 | 7.81 | 6.14 | 5.08 | 3.49 | 2.61 | 2.12 | 1.74 | 1.51 | 1.17 | 0.946 | 0.508 |
| 1.60V/cell | 38.6 | 26.2 | 19.4 | 15.8 | 11.5 | 8.00 | 6.28 | 5.19 | 3.56 | 2.66 | 2.16 | 1.77 | 1.53 | 1.18 | 0.958 | 0.514 |

| Constant Power Discharge Characteristics: Wpc (25°C) | | | | | | | | | | | | | | | | |
|--|-------|--------|--------|--------|--------|--------|------|--------|------|------|------|------|------|------|-------|-------|
| F.V/Time | 5 Min | 10 Min | 15 Min | 20 Min | 30 Min | 45 Min | 1 Hr | 1.5 Hr | 2 Hr | 3 Hr | 4 Hr | 5 Hr | 6 Hr | 8 Hr | 10 Hr | 20 Hr |
| 1.85V/cell | 56.1 | 40.6 | 31.3 | 26.3 | 19.6 | 13.9 | 11.1 | 9.27 | 6.42 | 4.85 | 3.97 | 3.27 | 2.85 | 2.21 | 1.81 | 0.98 |
| 1.80V/cell | 59.7 | 42.7 | 32.6 | 27.2 | 20.1 | 14.2 | 11.3 | 9.43 | 6.52 | 4.92 | 4.02 | 3.31 | 2.89 | 2.24 | 1.83 | 0.99 |
| 1.75V/cell | 62.2 | 44.1 | 33.5 | 27.8 | 20.6 | 14.5 | 11.5 | 9.58 | 6.62 | 4.99 | 4.07 | 3.35 | 2.92 | 2.27 | 1.85 | 1.00 |
| 1.70V/cell | 64.5 | 45.6 | 34.4 | 28.5 | 21.0 | 14.7 | 11.6 | 9.72 | 6.70 | 5.05 | 4.11 | 3.39 | 2.95 | 2.29 | 1.86 | 1.01 |
| 1.67V/cell | 66.2 | 46.6 | 35.2 | 29.0 | 21.3 | 14.9 | 11.8 | 9.82 | 6.76 | 5.10 | 4.15 | 3.41 | 2.98 | 2.30 | 1.88 | 1.02 |
| 1.60V/cell | 68.9 | 47.9 | 36.1 | 29.7 | 21.8 | 15.2 | 12.0 | 9.99 | 6.88 | 5.18 | 4.21 | 3.46 | 3.01 | 2.33 | 1.90 | 1.03 |



LP12-10H (12V 10Ah)



Applications

- All purpose
- 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)
- Special exhaust structure and sealing technology, safe and reliable, flexible installation, convenient maintenance
- PbCaSn alloy for plate grids: less gassing, less self-discharging
- High quality AGM separator: extend cycle life and prevent micro short circuit
- High purity raw material: ensure low self discharge rate

Standards

- Compliance with IEC 60896 standards, EU Battery Directive
- UL, CE Certified
- UKCA Certified (for UK)
- IATF16949, ISO45001,ISO 9001 and ISO 14001 certified production facilities

(Note) All above information shall be changed without prior notice, Landport Batteries reserves the right to explain and update the latest information.