



LP6-10 (6V 10Ah)

| Specifications | |
|-------------------------------|--|
| Rated Voltage | 6 |
| Nominal Capacity | 10.0Ah (C ₂₀ , 1.75V/cell) |
| Dimensions | Length 151 mm |
| | Width 51mm |
| | Container Height 94 mm |
| | Total Height 100 mm |
| Approx. Weight | 1.54 Kg (3.40lbs) |
| Terminal | T1 |
| Layout | 1 |
| Container material | ABS |
| Rated Capacity (25°C) | 10.0 Ah (20hr, 0.500A, 1.75V/cell) |
| | 9.32 Ah (10hr, 0.932A, 1.75V/cell) |
| | 8.50 Ah (5hr, 1.70A, 1.75V/cell) |
| | 7.69 Ah (3hr, 2.53A, 1.75V/cell) |
| | 6.31 Ah (1hr, 6.31A, 1.60V/cell) |
| Max. Discharge Current | 150A (5s) |
| Internal Resistance (25°C) | Approx 11mΩ |
| | 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) |
| | 25±3°C (77±5°F) |
| Nominal Operating Temp. Range | 25±3°C (77±5°F) |
| Cycle Use | Initial Charging Current less than 3.0A. Voltage 7.2V~7.5V at 25°C (77 °F)Temp. Coefficient -15mV/°C |
| Standby Use | Initial Charging Current less than 3.0A. Voltage 6.75V~6.9V at 25°C (77 °F)Temp. Coefficient -10mV/°C |
| | 40°C (104°F) 103% |
| Effect Of Temp. To Capacity | 25°C (77°F) 100% |
| | 0°C (32°F) 86% |
| | 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. |
| Self Discharge | |

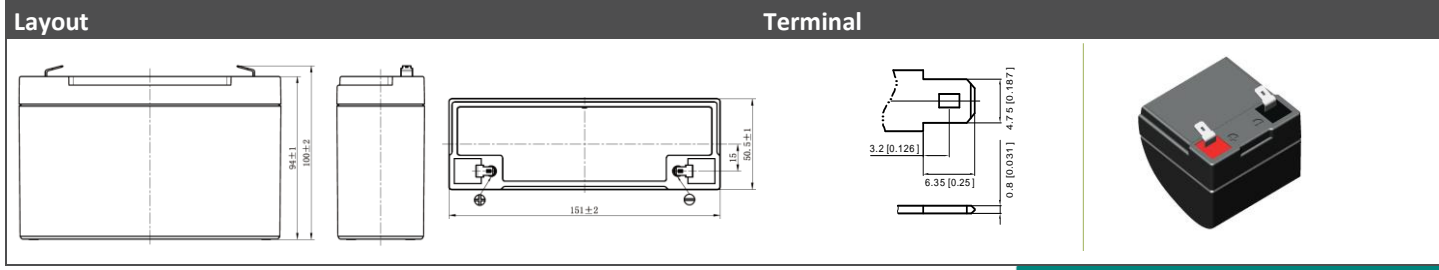


Description and Features

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



Constant Current Discharge Characteristics: A (25°C)

| F.V/Time | 5 Min | 10 Min | 15 Min | 20 Min | 30 Min | 45 Min | 1Hr | 1.5Hr | 2 Hr | 3 Hr | 4 Hr | 5 Hr | 6 Hr | 8 Hr | 10 Hr | 20 Hr |
|------------|-------|--------|--------|--------|--------|--------|------|-------|------|------|------|------|------|------|-------|-------|
| 1.85V/cell | 27.2 | 20.0 | 15.9 | 13.0 | 9.64 | 7.07 | 5.78 | 4.35 | 3.41 | 2.45 | 1.95 | 1.66 | 1.42 | 1.11 | 0.910 | 0.490 |
| 1.80V/cell | 29.5 | 21.0 | 16.5 | 13.4 | 9.88 | 7.21 | 5.89 | 4.43 | 3.46 | 2.49 | 1.98 | 1.68 | 1.44 | 1.13 | 0.921 | 0.495 |
| 1.75V/cell | 31.9 | 22.1 | 17.1 | 13.8 | 10.1 | 7.36 | 6.00 | 4.50 | 3.52 | 2.53 | 2.00 | 1.70 | 1.46 | 1.14 | 0.932 | 0.500 |
| 1.70V/cell | 34.3 | 23.1 | 17.7 | 14.2 | 10.3 | 7.50 | 6.10 | 4.57 | 3.57 | 2.56 | 2.03 | 1.72 | 1.48 | 1.16 | 0.943 | 0.505 |
| 1.67V/cell | 35.7 | 23.7 | 18.1 | 14.4 | 10.5 | 7.59 | 6.16 | 4.62 | 3.61 | 2.58 | 2.05 | 1.74 | 1.49 | 1.17 | 0.950 | 0.508 |
| 1.60V/cell | 38.9 | 25.2 | 18.9 | 15.0 | 10.8 | 7.79 | 6.31 | 4.72 | 3.68 | 2.64 | 2.09 | 1.77 | 1.51 | 1.18 | 0.965 | 0.516 |

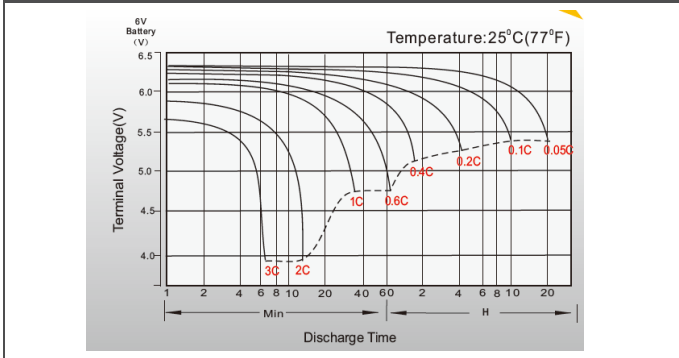
Constant Power Discharge Characteristics: Wpc (25°C)

| F.V/Time | 5 Min | 10 Min | 15 Min | 20 Min | 30 Min | 45 Min | 1Hr | 1.5Hr | 2 Hr | 3 Hr | 4 Hr | 5 Hr | 6 Hr | 8 Hr | 10 Hr | 20 Hr |
|------------|-------|--------|--------|--------|--------|--------|------|-------|------|------|------|------|------|------|-------|-------|
| 1.85V/cell | 51.7 | 38.3 | 30.5 | 24.9 | 18.6 | 13.7 | 11.2 | 8.50 | 6.68 | 4.82 | 3.84 | 3.27 | 2.81 | 2.21 | 1.81 | 0.980 |
| 1.80V/cell | 55.8 | 40.0 | 31.5 | 25.6 | 19.0 | 13.9 | 11.4 | 8.62 | 6.76 | 4.88 | 3.89 | 3.31 | 2.84 | 2.24 | 1.83 | 0.990 |
| 1.75V/cell | 59.8 | 41.7 | 32.5 | 26.2 | 19.4 | 14.2 | 11.6 | 8.73 | 6.85 | 4.94 | 3.94 | 3.35 | 2.87 | 2.26 | 1.85 | 1.000 |
| 1.70V/cell | 63.9 | 43.5 | 33.5 | 26.9 | 19.7 | 14.4 | 11.7 | 8.85 | 6.94 | 5.00 | 3.98 | 3.39 | 2.91 | 2.29 | 1.87 | 1.010 |
| 1.67V/cell | 66.3 | 44.5 | 34.1 | 27.3 | 20.0 | 14.5 | 11.8 | 8.92 | 6.99 | 5.04 | 4.01 | 3.41 | 2.92 | 2.30 | 1.88 | 1.020 |
| 1.60V/cell | 71.5 | 46.8 | 35.4 | 28.5 | 20.5 | 14.8 | 12.1 | 9.08 | 7.11 | 5.12 | 4.07 | 3.47 | 2.97 | 2.34 | 1.91 | 1.030 |

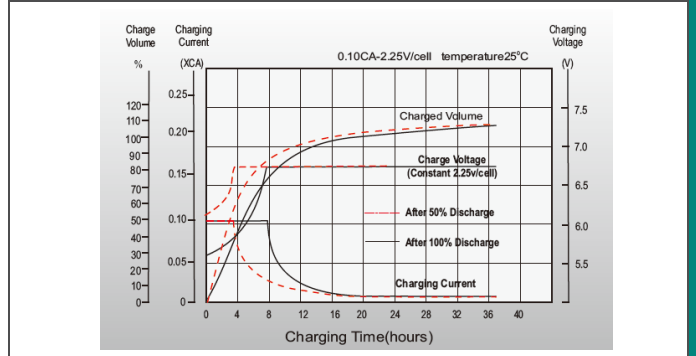


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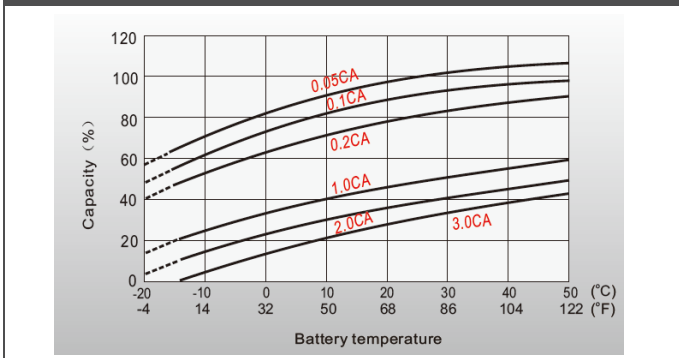
Discharge Characteristics



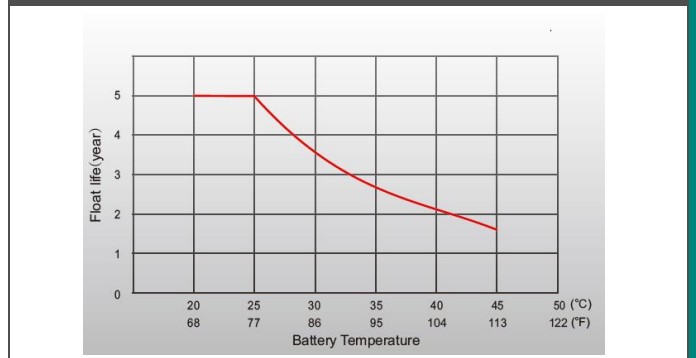
Float Charging Characteristics



Temperature Effects In Relation To Battery Capacity



Float Service Life



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
- 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.