



LP12-250 (12V 260Ah)

| Specifications | |
|-------------------------------|---|
| Cells Per Unit | 6 |
| Voltage Per Unit | 12 |
| Nominal Capacity | 260Ah@10hour-rate to 1.80V per cell @25°C |
| Weight | Approx. 72.0 Kg (Tolerance±3.0%) |
| Dimensions | Length 521 mm |
| | Width 268 mm |
| | Container Height 220 mm |
| | Total Height 225 mm |
| Internal Resistance | Approx. 2.6 mΩ |
| Terminal | T11 |
| Layout | 4 |
| Max. Discharge Current | 2600A (5 sec) |
| Short Circuit Current | 4810A |
| Max. Charging Current | 78.0 A |
| Reference Capacity | C3 201.3AH |
| | C5 227.0AH |
| | C10 260.0AH |
| | C20 276.0AH |
| | 13.6 V~13.8 V @ 25°C |
| Standby Use Voltage | Temperature Compensation: -3mV/°C /Cell |
| Cycle Use Voltage | 14.6 V~14.8 V @ 25°C |
| | Temperature Compensation: -4mV/°C /Cell |
| Operating Temp. Range | Discharge: -20°C ~60°C |
| | Charge: 0°C ~50°C |
| | Storage: -20°C ~60°C |
| Nominal Operating Temp. Range | 25°C ±5°C |
| Self Discharge | Valve Regulated Lead Acid (VRLA) batteries can be stored for up to 6 months at 25°C and then recharging is recommended. Monthly Self-discharge ratio is less than 3% at 25°C. Please charge batteries before using. |
| | Container Material |



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 | 15 Min | 30 Min | 1 Hr | 2 Hr | 3 Hr | 4 Hr | 5 Hr | 8 Hr | 10 Hr | 20 Hr |
| 1.60V | 445.9 | 281.9 | 158.9 | 94.6 | 73.3 | 57.6 | 49.1 | 33.0 | 27.4 | 14.3 |
| 1.65V | 426.3 | 270.6 | 153.4 | 91.6 | 71.1 | 56.1 | 47.8 | 32.6 | 27.1 | 14.1 |
| 1.70V | 399.3 | 258.7 | 148.4 | 88.6 | 69.1 | 54.6 | 46.5 | 32.1 | 26.7 | 13.9 |
| 1.75V | 371.6 | 247.2 | 143.0 | 85.5 | 67.1 | 53.2 | 45.4 | 31.6 | 26.3 | 13.8 |
| 1.80V | 343.1 | 236.3 | 137.5 | 82.4 | 65.0 | 51.6 | 44.2 | 31.1 | 26.0 | 13.6 |
| 1.85V | 284.7 | 203.5 | 123.3 | 75.5 | 60.1 | 48.0 | 41.2 | 29.2 | 24.5 | 13.0 |

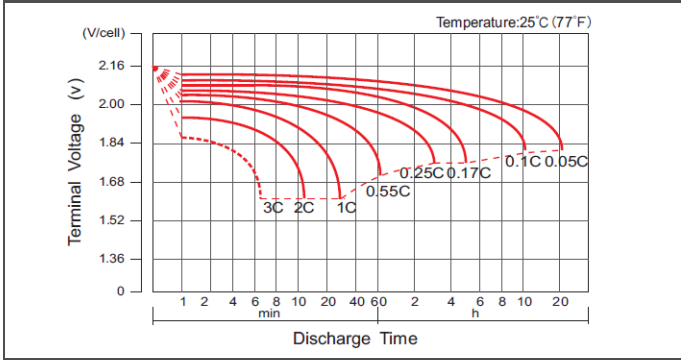
| Constant Power Discharge Characteristics: Wpc (25°C) | | | | | | | | | | |
|--|--------|--------|-------|-------|-------|-------|------|------|-------|-------|
| F.V/Time | 15 Min | 30 Min | 1 Hr | 2 Hr | 3 Hr | 4 Hr | 5 Hr | 8 Hr | 10 Hr | 20 Hr |
| 1.60V | 779.5 | 512.0 | 298.5 | 179.4 | 140.1 | 110.7 | 94.6 | 64.4 | 53.9 | 28.2 |
| 1.65V | 756.3 | 496.7 | 289.9 | 174.5 | 136.3 | 108.1 | 92.4 | 63.8 | 53.3 | 27.8 |
| 1.70V | 718.9 | 479.5 | 282.3 | 169.7 | 133.2 | 105.5 | 90.4 | 63.0 | 52.6 | 27.5 |
| 1.75V | 678.8 | 463.0 | 273.6 | 164.5 | 129.8 | 103.2 | 88.4 | 62.2 | 52.0 | 27.2 |
| 1.80V | 635.6 | 447.0 | 264.7 | 159.4 | 126.3 | 100.6 | 86.4 | 61.3 | 51.4 | 27.0 |
| 1.85V | 534.9 | 388.8 | 238.8 | 146.9 | 117.2 | 93.9 | 80.8 | 57.7 | 48.4 | 25.7 |

(Note) The above characteristics data are average values obtained within three charge/discharge cycle not the minimum values. The battery must be fully charged before the capacity test. The C10 should reach 95% after the first cycle and 100% after the third cycle.

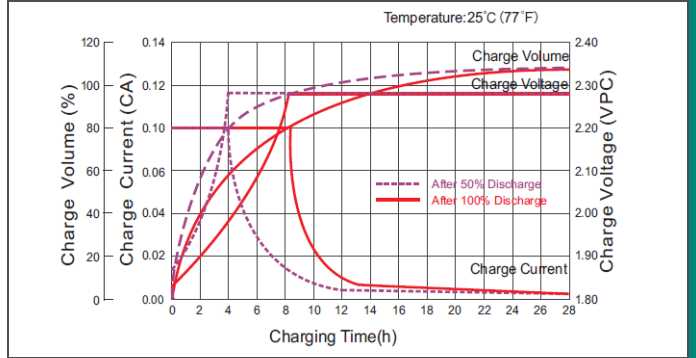


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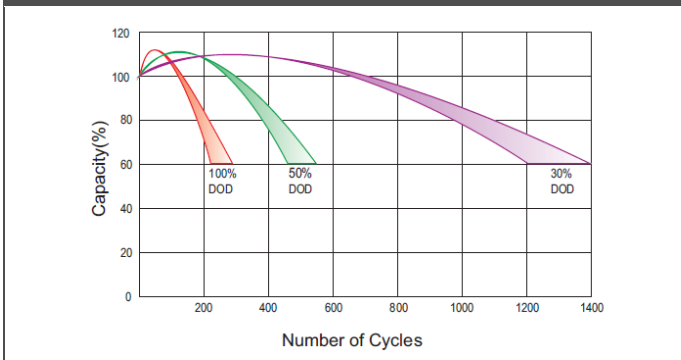
Charge Characteristic Curve



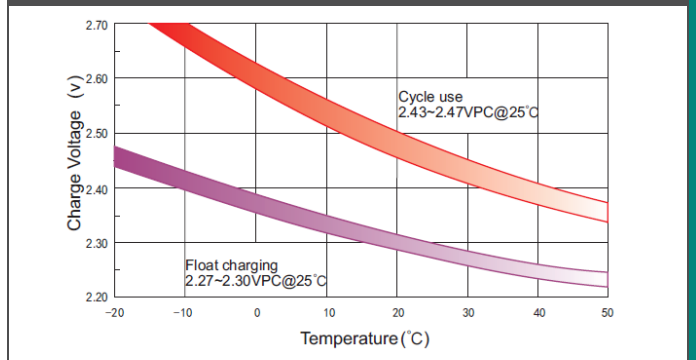
Charge Characteristic Curve For Standby Use



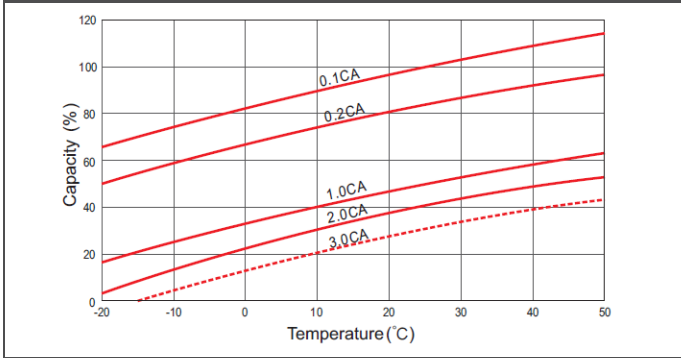
Cycle Life In Relation To Depth Of Discharge



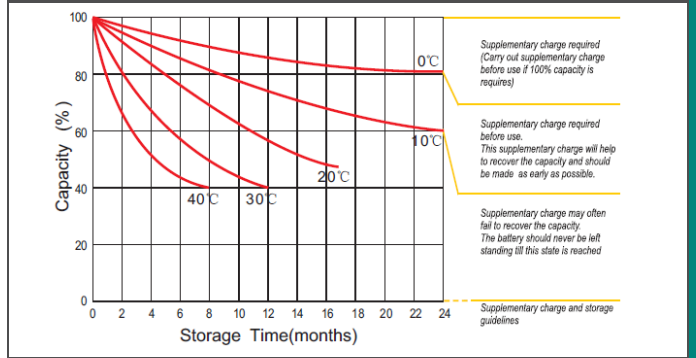
Relationship Between Charging Voltage And Temperature



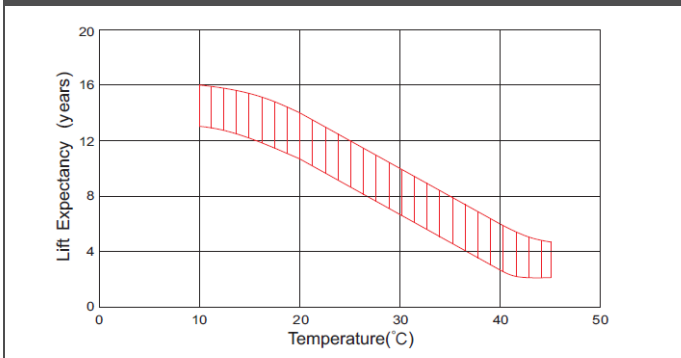
Temperature Effects On Capacity



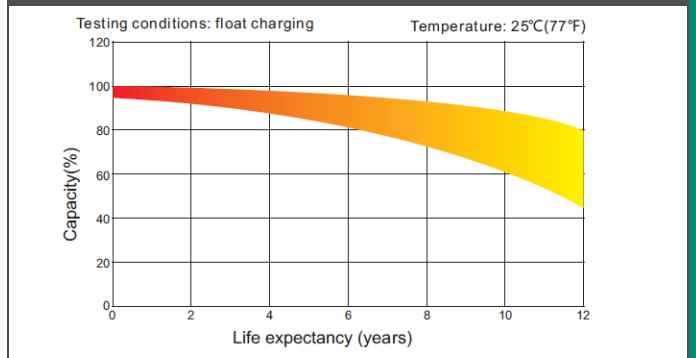
Storage Characteristics



Effect Of Temperature On Long Term Life



Life Characteristics Of Standby Use



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