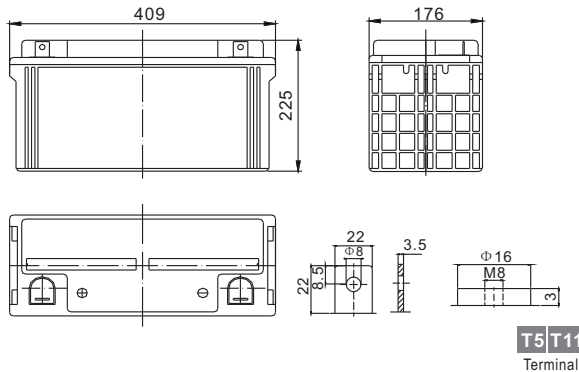


Long Life Series

LFP12120L 12V120Ah

FirstPower®

Dimension(mm)



T5 T11
Terminal



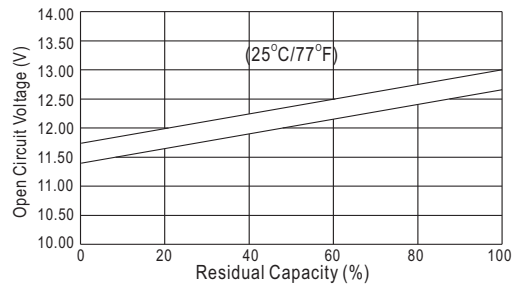
Specification

| | | |
|----------------------|----------------------|---------------------------------|
| Nominal Voltage | | 12 V |
| Capacity(10HR, 25°C) | | 120 Ah |
| Dimension | Length | 409mm (16.1inch) |
| | Width | 176mm (6.9inch) |
| | Height | 225mm (8.9inch) |
| | Total Height(T5/T11) | 225mm (8.9inch)/225mm (8.9inch) |
| Approx. Weight | | 38kg (83.6lbs) |

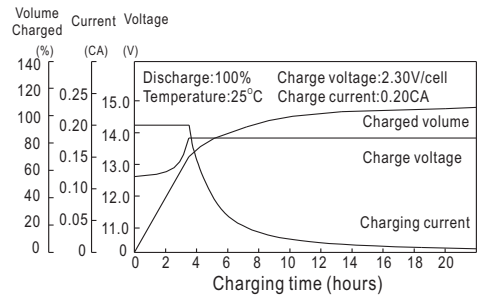
Characteristics

| | | |
|--|--------------|-------------------------|
| Capacity 20°C (68°F) To 1.70V/Cell | 20 hour rate | 127Ah |
| | 10 hour rate | 120Ah |
| | 5 hour rate | 110Ah |
| | 1 hour rate | 74.9Ah |
| | 15 min rate | 49Ah |
| Internal resistance(Fully charged, 25°C) | | Approx.4.3mΩ |
| Capacity affected by temperature (10HR) | 40°C | 102% |
| | 25°C | 100% |
| | 0°C | 85% |
| | -15°C | 65% |
| Self-discharge (25°C) | 3 month | Remaining Capacity: 91% |
| | 6 month | Remaining Capacity: 82% |
| | 12 month | Remaining Capacity: 65% |
| Nominal operating temperature | | 25°C ±3°C(77°F ±5°F) |
| Operating temperature range | | -15°C~50°C(5°F~122°F) |
| Float charging voltage(25°C) | | 13.50 to 13.80V |
| Cyclic charging voltage(25°C) | | 14.50 to 14.90V |
| Maximum charging current | | 36A |
| Terminal material | | Copper |
| Maximum discharge current | | 960A(5 sec.) |

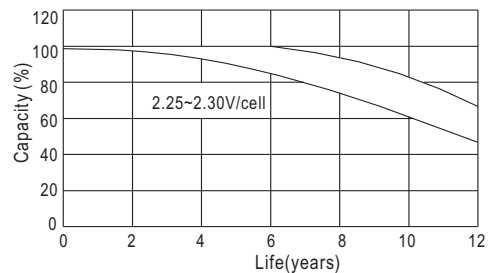
The Relationship for Open Circuit Voltage and Residual Capacity (25°C)



Charging Characteristics(25°C)



Floating Life Characteristics (25°C)



Constant Current Discharge Characteristics (A, 25°C)

| F.V/TIME | 5min | 10min | 15min | 30min | 60min | 3h | 5h | 10h | 20h |
|----------|------|-------|-------|-------|-------|------|------|------|------|
| 9.60V | 359 | 243 | 204 | 126 | 78.0 | 31.0 | 21.9 | 12.2 | 6.35 |
| 10.2V | 341 | 230 | 196 | 121 | 74.9 | 30.5 | 21.6 | 12.1 | 6.35 |
| 10.8V | 320 | 217 | 186 | 115 | 71.2 | 29.9 | 21.2 | 12.0 | 6.20 |

Constant Power Discharge Characteristics (Watt, 25°C)

| 5min | 10min | 15min | 30min | 60min | 3h | 5h | 10h | 20h |
|------|-------|-------|-------|-------|-----|-----|-----|------|
| 3768 | 2619 | 2237 | 1415 | 889 | 365 | 259 | 145 | 76.2 |
| 3580 | 2488 | 2147 | 1358 | 854 | 359 | 255 | 144 | 76.2 |
| 3365 | 2339 | 2040 | 1290 | 812 | 352 | 251 | 144 | 74.4 |