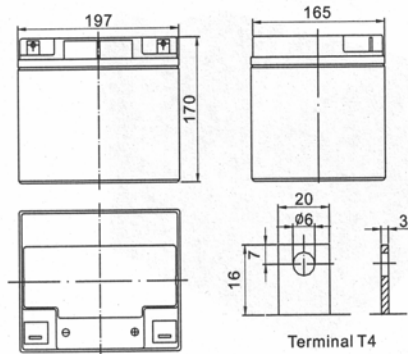




Standard Series LIP1240

◆ Dimensions

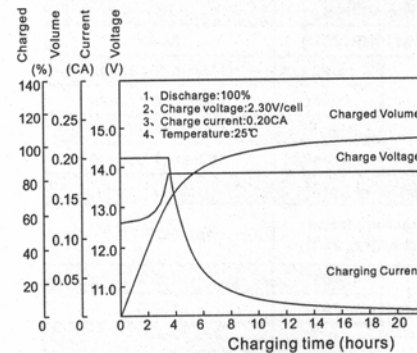


◆ Specifications

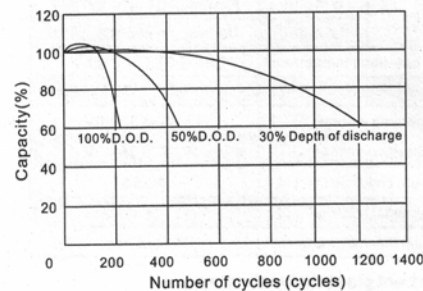
| | | |
|---|--------------------------|-------------------------|
| Nominal voltage | 12 V | |
| Capacity(10HR, 25°C) | 40Ah | |
| Dimension | Length | 197mm (7.76inch) |
| | Width | 165mm (6.50inch) |
| | Height | 170mm (6.69inch) |
| | Total height | 170mm (6.69inch) |
| Approx. weight | 13.5kg (29.8lbs) | |
| Internal resistance (Fully charged, 25°C) | Approx. 9.5mΩ | |
| 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) | 13.38 to 13.80V | |
| Cyclic charging voltage(25°C) | 14.40 to 15.00V | |
| Maximum charging current | 12A | |
| Terminal material | Copper | |
| Maximum discharge current | 400A(5 sec.) | |

- ◆ Absorbent glass mat technology;
- ◆ Recognized by UL & CE;
- ◆ Flame retardant ABS container (UL94V-0/ 94V-2).

◆ Charging Characteristics(25°C)



◆ Cycle Life(25°C)



◆ Note: Floating life designed for 10 years at 20°C.

Constant Current Discharge Characteristics(A,25°C)

| F.V/TIME | 5min | 10min | 15min | 30min | 60min | 3h | 5h | 10h | 20h |
|----------|------|-------|-------|-------|-------|------|------|------|------|
| 9.60V | 122 | 81.0 | 68.0 | 40.0 | 26.0 | 10.4 | 7.31 | 4.06 | 2.10 |
| 10.2V | 116 | 77.0 | 65.3 | 38.4 | 25.0 | 10.2 | 7.20 | 4.02 | 2.10 |
| 10.8V | 109 | 72.3 | 62.0 | 36.5 | 23.7 | 10.0 | 7.06 | 4.00 | 2.05 |

Constant Power Discharge Characteristics(Watt,25°C)

| F.V/TIME | 5min | 10min | 15min | 30min | 60min | 3h | 5h | 10h | 20h |
|----------|------|-------|-------|-------|-------|-----|------|------|------|
| 9.60V | 1281 | 875 | 747 | 449 | 296 | 122 | 86.4 | 48.5 | 25.2 |
| 10.2V | 1217 | 831 | 717 | 431 | 285 | 120 | 85.1 | 48.0 | 25.2 |
| 10.8V | 1144 | 781 | 681 | 409 | 270 | 118 | 83.4 | 48.0 | 24.6 |