

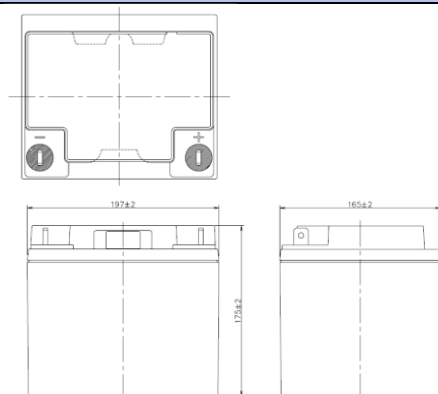


ISO 9001 CERTIFICATE  
ISO 14001 CERTIFICATE  
ISO 45001 CERTIFICATE  
UL MH28947

## 閥調式鉛酸蓄電池(VRLA) Valve Regulated Lead Acid Battery

### NP40-12

#### 尺寸 DIMENSION



| NP40-12I    |            |           | NP40-12B    |            |           | NP40-12R    |            |           |
|-------------|------------|-----------|-------------|------------|-----------|-------------|------------|-----------|
| 正視<br>Front | 側視<br>Side | 上視<br>Top | 正視<br>Front | 側視<br>Side | 上視<br>Top | 正視<br>Front | 側視<br>Side | 上視<br>Top |
|             |            |           |             |            |           |             |            |           |

#### 規範 Specification

|                                              |                                                                  |
|----------------------------------------------|------------------------------------------------------------------|
| 公稱電壓 Nominal Voltage : 12V                   | 操作溫度範圍 Operating Temperature Range                               |
| 尺寸 Dimension                                 | 放電 Discharging -15°C to 45°C                                     |
| 長度 Length : 197±2mm                          | 充電 Charging -15°C to 45°C                                        |
| 寬度 Width : 165±2mm                           | 放置 Storage -15°C to 45°C                                         |
| 高度 Case Height : 175±2mm                     | 期待浮充壽命 Expected float use life ( 25°C ) : 3~5 years              |
| 總高 Overall Height : 175±2mm                  | 容易保養 Easy Maintenance                                            |
| 重量 Weight (約 Approx.) : 15 kg                | 不會洩漏電解液 No electrolyte leakage                                   |
| 公稱容量 Nominal Capacity : 40AH / 20HR ( 25°C ) | 確保操作上安全性 Ensure safe and efficient operation                     |
| 內部電阻 Internal Resistance(Approx.) : 約 5.6 mΩ | 電槽材質 Container Material :                                        |
| 最大充電電流 Max. Charge current : 10A             | NP40-12 難燃等級UL94HB Flame class : UL94HB                          |
| 5 秒最大放電電流                                    | NP40-12FR 難燃等級UL94V0 Flame class : UL94V0                        |
| Max. Discharge current in 5 seconds : 240A   | 用途 Applications :                                                |
| 浮動充電 Float Charging : 13.65±0.15V ( 25°C )   | UPS 不斷電系統、電信、緊急照明、警報系統、儀器、太陽能發電系統                                |
| 端子 Terminal :                                | UPS( Uninterruptible Power Supply )、Telecommunications、Emergency |
| 極柱端子Top terminal : 螺絲式 Bolt ( M5 )           | lighting、Alarm systems、Instrumentation、Solar powered systems     |
| 鎖緊轉矩 Tightening torque 3.0Nm ( 30kgf.cm )    |                                                                  |

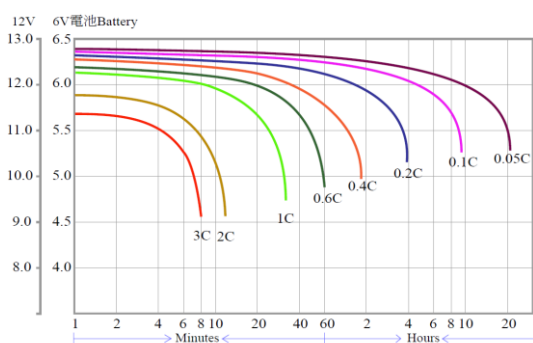
性能規格 PERFORMANCE SPECIFICATION : 安培 Amperes and 瓦特 Watts at 25 °C ( 77 ° F )

| TIME   |   | 5M   | 10M  | 15M | 20M | 30M  | 45M  | 1H   | 2H   | 3H   | 4H  | 5H   | 8H   | 10H  | 20H  |
|--------|---|------|------|-----|-----|------|------|------|------|------|-----|------|------|------|------|
| F.V.   |   |      |      |     |     |      |      |      |      |      |     |      |      |      |      |
| 10.80V | W | 1492 | 1073 | 841 | 699 | 529  | 395  | 321  | 185  | 134  | 105 | 87.1 | 57.8 | 47.5 | 25.4 |
|        | A | 133  | 95   | 74  | 61  | 46.1 | 33.9 | 27.1 | 15.2 | 11.1 | 8.7 | 7.30 | 4.80 | 4.00 | 2.10 |
| 10.50V | W | 1713 | 1195 | 931 | 768 | 575  | 420  | 335  | 191  | 136  | 107 | 88.9 | 59.3 | 48.0 | 25.7 |
|        | A | 153  | 106  | 82  | 68  | 51.0 | 36.1 | 28.3 | 15.7 | 11.3 | 8.9 | 7.34 | 4.90 | 4.03 | 2.15 |
| 10.20V | W | 1781 | 1239 | 962 | 792 | 590  | 428  | 339  | 193  | 137  | 108 | 89.4 | 59.5 | 48.5 | 25.9 |
|        | A | 159  | 110  | 85  | 69  | 51.4 | 36.7 | 28.6 | 15.9 | 11.4 | 9.0 | 7.40 | 5.00 | 4.06 | 2.17 |
| 10.02V | W | 1799 | 1251 | 971 | 799 | 595  | 431  | 341  | 194  | 138  | 109 | 89.8 | 59.6 | 48.6 | 26.0 |
|        | A | 160  | 111  | 86  | 70  | 51.8 | 37.0 | 28.8 | 16.0 | 11.5 | 9.0 | 7.45 | 5.03 | 4.07 | 2.18 |
| 9.60V  | W | 1848 | 1284 | 997 | 820 | 610  | 442  | 349  | 198  | 141  | 110 | 90.9 | 59.9 | 48.9 | 26.2 |
|        | A | 165  | 114  | 88  | 72  | 53.2 | 37.9 | 29.5 | 16.3 | 11.6 | 9.1 | 7.60 | 5.10 | 4.10 | 2.20 |

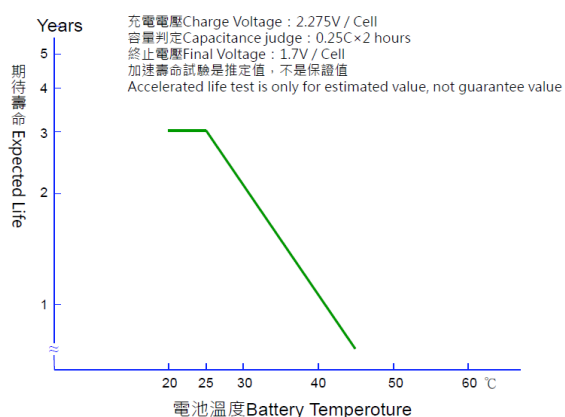
特性 Characteristics

放電特性 DISCHARGE CHARACTERISTICS

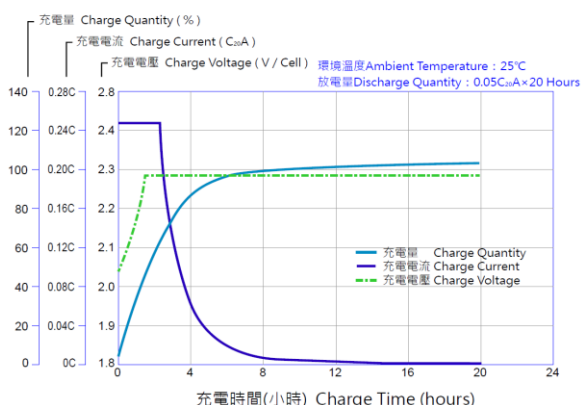
放電曲線 Discharge Characteristics Curves at 25°C



浮充期待壽命 Float Service Life



充電特性 CHARGE CHARACTERISTICS



充電電壓 CHARGE VOLTAGE

