

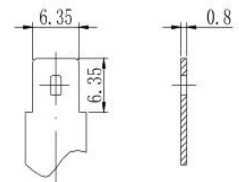
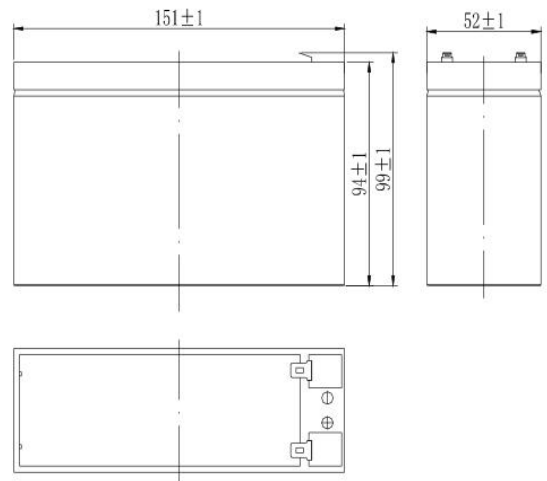
The battery is designed with AGM technology, high performance plates and electrolyte to gain extra power output for common power backup system applications widely used in the field of UPS, Emergency Lighting System and other backup applications.

General Feature

- Sealed and maintenance free operation.
- Non-Spillable construction design.
- ABS containers and covers (UL94HB, UL94V-0) optional.
- Safety valve installation for explosion proof.
- High quality and high reliability.
- Exceptional deep discharge recovery performance.
- Low self-discharge characteristic.
- Flexibility design for multiple install positions.

Application

- Alarm System
- Cable Television
- Power tools
- Emergency Power System
- Security System
- Medical Equipment
- UPS
- Power tools
- Control Equipment
- Toys



| CONSTRUCTION | | | | | | | | |
|--------------|----------------|----------------|-----------|-------|--------------|----------|------------|---------------|
| Component | Positive plate | Negative plate | Container | Cover | Safety valve | Terminal | Separator | Electrolyte |
| Raw material | Lead dioxide | Lead | ABS | ABS | Rubber | Copper | Fiberglass | Sulfuric acid |

| TECHNOLOGY PARAMETER | | | | |
|----------------------------------|--|---------------------|----------------------|-------------------|
| Battery model | MK12-5Ah | | | |
| Designed Floating Life | 5 Years | | | |
| Capacity | 20hR(0.25A, 10.5V) | 10hR(0.497A, 10.5V) | 5hR(0.91A, 10.5V) | 1hR(3.62A, 9.60V) |
| | 5.0Ah | 4.97Ah | 4.55Ah | 3.62Ah |
| Dimensions | Length | Width | Height | Total Height |
| | 151±1mm | 50±1mm | 93±1mm | 100±1mm |
| Approx. weight (±3%) | 1.80Kg | | | |
| Internal resistance | Full charged at 25 °C: Approx. 34mOhms | | | |
| Self-discharge | 3% of capacity declined per month at 25 °C (average) | | | |
| Capacity Affected by Temp.(20HR) | 40 °C | 25 °C | 0 °C | -15 °C |
| | 102% | 100% | 85% | 65% |
| Charge Voltage (25 °C) | Cycle use | | Float use | |
| | 14.5-14.9V(-30mV/°C), max. Current: 1.5A | | 13.6-13.8V(-20mV/°C) | |

| End Point | 5min | 10min | 15min | 30min | 1h | 3h | 5h | 10h | 20h |
|-----------|-------|-------|-------|-------|------|------|------|-------|-------|
| 1.60V | 19.90 | 14.00 | 10.60 | 5.98 | 3.62 | 1.52 | 0.99 | 0.523 | 0.272 |
| 1.65V | 18.90 | 13.30 | 10.10 | 5.75 | 3.55 | 1.47 | 0.96 | 0.514 | 0.267 |
| 1.70V | 17.80 | 12.60 | 9.59 | 5.50 | 3.46 | 1.42 | 0.94 | 0.504 | 0.261 |
| 1.75V | 16.70 | 11.80 | 9.07 | 5.22 | 3.31 | 1.36 | 0.91 | 0.497 | 0.250 |
| 1.80V | 15.60 | 11.20 | 8.56 | 4.96 | 3.15 | 1.30 | 0.88 | 0.487 | 0.246 |

| End Point | 5min | 10min | 15min | 30min | 1h | 3h | 5h | 10h | 20h |
|-----------|-------|-------|-------|-------|------|------|------|------|------|
| 1.60V | 36.90 | 25.80 | 19.80 | 11.20 | 6.80 | 2.86 | 1.88 | 1.00 | 0.52 |
| 1.65V | 34.90 | 24.50 | 18.70 | 10.70 | 6.63 | 2.76 | 1.82 | 0.98 | 0.51 |
| 1.70V | 32.60 | 23.00 | 17.70 | 10.20 | 6.43 | 2.65 | 1.76 | 0.95 | 0.50 |
| 1.75V | 30.40 | 21.60 | 16.60 | 9.61 | 6.13 | 2.52 | 1.70 | 0.93 | 0.47 |
| 1.80V | 28.10 | 20.20 | 15.50 | 9.03 | 5.77 | 2.38 | 1.63 | 0.91 | 0.46 |

