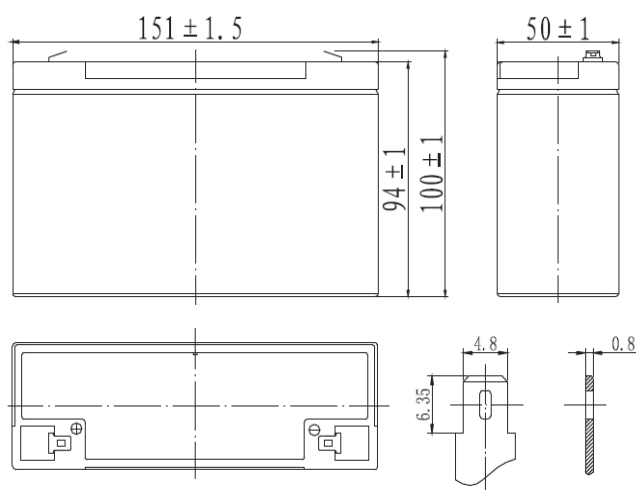


## APPLICATIONS

- Uninterruptible Power Supplies (UPS)
- Electric Power Systems (EPS)
- Emergency backup power supplies
- Electronic apparatus and equipment
- Communication power supplies
- DC power supplies
- Auto control system



## SPECIFICATIONS

|                                           |                              |               |
|-------------------------------------------|------------------------------|---------------|
| Nominal Voltage                           | 6 V                          |               |
| Number of cells                           | 3                            |               |
| Design Floating Life (20°C)               | 10 years                     |               |
| Dimensions                                | Length                       | 151 mm        |
|                                           | Width                        | 50 mm         |
|                                           | Height                       | 94 mm         |
|                                           | Total Height                 | 100 mm        |
| Weight                                    | 1.60 kg                      |               |
| Nominal Capacity (25°C)                   | 20 hours rate (1.75)         | 10.0 Ah       |
|                                           | 10 hours rate (1.75)         | 9.30 Ah       |
|                                           | 5 hours rate (1.75)          | 8.50 Ah       |
|                                           | 1 hour rate (1.60)           | 6.50 Ah       |
| Internal Resistance (fully charged, 25°C) | 14 mOhm                      |               |
| Self Discharge                            | approx. 3% per month at 25°C |               |
| Nominal Operating Temperature             | 25°C                         |               |
| Operating Temperature range               | Discharge                    | -15°C to 50°C |
|                                           | Charge                       | -10°C to 50°C |
|                                           | Storage                      | -20°C to 50°C |
| Float Charging Voltage                    | 2.25 to 2.30 V/cell at 25°C  |               |
| Temperature compensation                  | -18mV/°C                     |               |
| Maximum charging current                  | 3.0 A                        |               |
| Maximum discharge current (25°C)          | 150 A (5 sec.)               |               |
| Short Circuit Current (25°C)              | 460 A                        |               |

## PERFORMANCE DATA

### Discharge Constant Current at 25°C (Amperes)

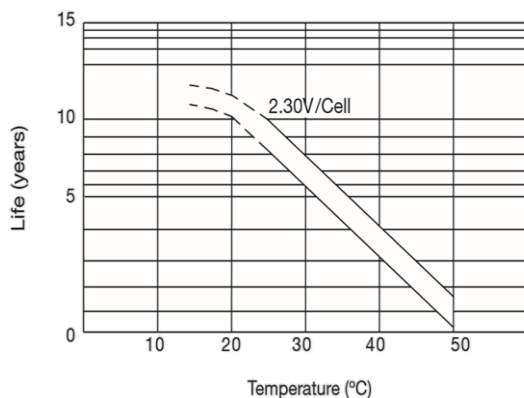
| End Voltage (V/cell) | 5min | 10min | 15min | 30min | 1h   | 2h   | 3h   | 4h   | 5h   | 8h   | 10h  | 20h  |
|----------------------|------|-------|-------|-------|------|------|------|------|------|------|------|------|
| 1.60V                | 37.7 | 24.0  | 19.0  | 10.60 | 6.50 | 3.55 | 2.55 | 2.04 | 1.73 | 1.12 | 0.94 | 0.51 |
| 1.65V                | 36.6 | 23.3  | 18.5  | 10.40 | 6.40 | 3.53 | 2.54 | 2.03 | 1.72 | 1.12 | 0.94 | 0.51 |
| 1.70V                | 35.0 | 22.3  | 17.9  | 10.10 | 6.24 | 3.50 | 2.52 | 2.01 | 1.71 | 1.11 | 0.94 | 0.50 |
| 1.75V                | 33.6 | 21.4  | 17.3  | 9.83  | 6.12 | 3.45 | 2.50 | 2.00 | 1.70 | 1.10 | 0.93 | 0.50 |
| 1.80V                | 31.7 | 20.2  | 16.3  | 9.47  | 5.93 | 3.36 | 2.43 | 1.94 | 1.65 | 1.07 | 0.91 | 0.49 |

### Discharge Constant Power at 25°C (Watts)

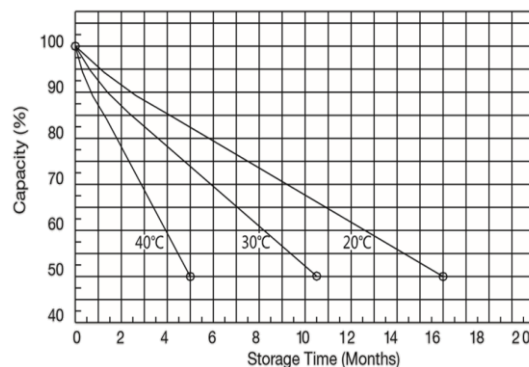
| End Voltage (V/cell) | 5min | 10min | 15min | 30min | 1h   | 2h   | 3h   | 4h   | 5h    | 8h   | 10h  | 20h  |
|----------------------|------|-------|-------|-------|------|------|------|------|-------|------|------|------|
| 1.60V                | 211  | 135   | 108.0 | 60.7  | 37.6 | 20.8 | 15.1 | 12.1 | 10.40 | 6.73 | 5.66 | 3.05 |
| 1.65V                | 205  | 131   | 106.0 | 59.5  | 37.1 | 20.7 | 15.1 | 12.1 | 10.30 | 6.69 | 5.64 | 3.03 |
| 1.70V                | 197  | 126   | 102.0 | 57.7  | 36.1 | 20.5 | 15.0 | 12.0 | 10.20 | 6.65 | 5.61 | 3.02 |
| 1.75V                | 188  | 120   | 98.3  | 56.3  | 35.4 | 20.2 | 14.9 | 11.9 | 10.10 | 6.60 | 5.58 | 3.00 |
| 1.80V                | 178  | 114   | 93.1  | 54.2  | 34.3 | 19.7 | 14.4 | 11.6 | 9.84  | 6.40 | 5.47 | 2.94 |

Note: The above characteristics data can be obtained within three charge/discharge cycles.

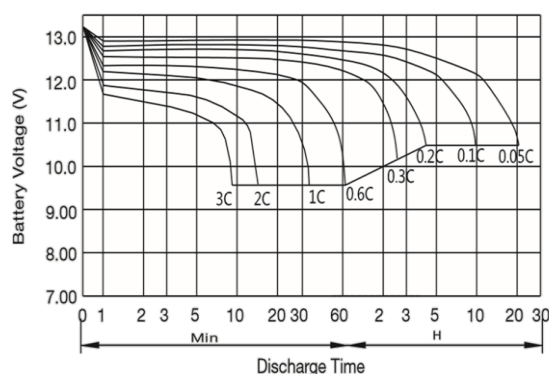
### Temperature Effects on Float Life



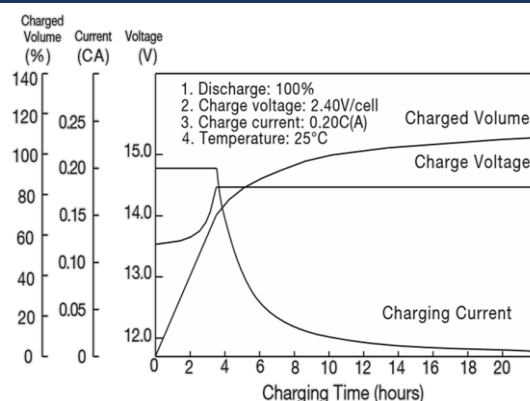
### Self Discharge Characteristics



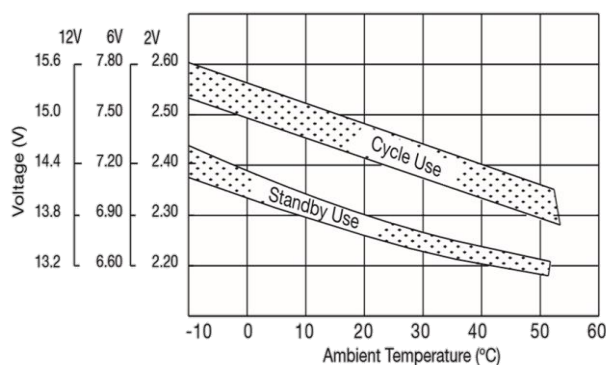
### Discharge Characteristics (25°C)



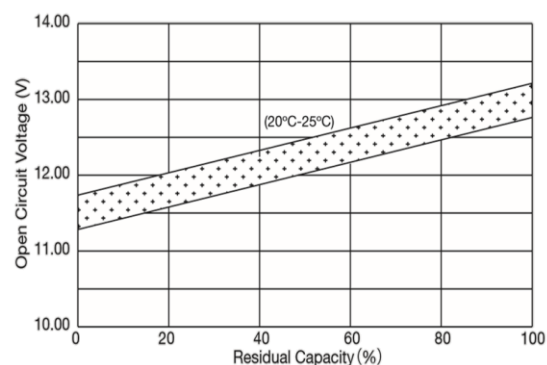
### Charging Characteristics (25°C)



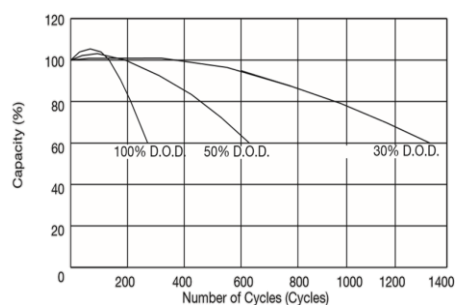
### Relationship Between Charging Voltage and Temperature



### Relationship Between OCV and Residual Capacity (25°C)



### Cycle Service Life in Relation to Depth of Discharge



### Temperature Effects on Capacity

