

Discharge Constant Current at 25°C (Amperes)

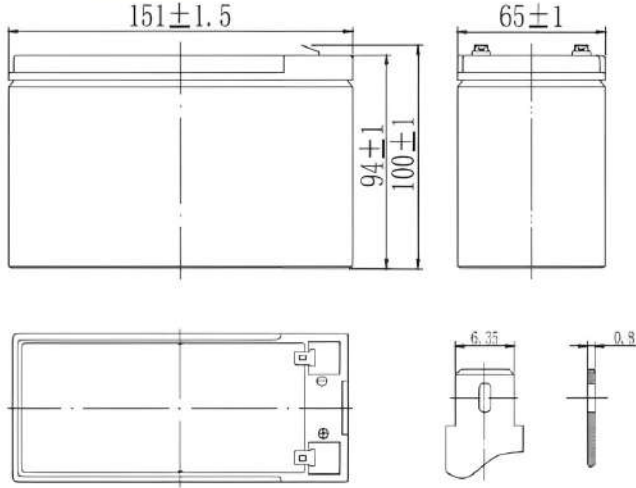
| End Voltage (V/cell) | 5min | 10min | 15min | 30min | 1h   | 2h   | 3h   | 4h   | 5h   | 10h  | 20h  |
|----------------------|------|-------|-------|-------|------|------|------|------|------|------|------|
| 1.60V                | 25.1 | 15.8  | 12.5  | 7.00  | 4.29 | 2.34 | 1.68 | 1.35 | 1.14 | 0.63 | 0.35 |
| 1.65V                | 24.3 | 15.4  | 12.2  | 6.86  | 4.23 | 2.33 | 1.67 | 1.34 | 1.14 | 0.63 | 0.35 |
| 1.70V                | 23.3 | 14.7  | 11.8  | 6.65  | 4.12 | 2.31 | 1.66 | 1.33 | 1.13 | 0.63 | 0.35 |
| 1.75V                | 22.3 | 14.1  | 11.4  | 6.49  | 4.04 | 2.28 | 1.65 | 1.32 | 1.12 | 0.62 | 0.35 |
| 1.80V                | 21.1 | 13.3  | 10.8  | 6.25  | 3.91 | 2.22 | 1.60 | 1.28 | 1.09 | 0.61 | 0.34 |

Discharge Constant Power at 25°C (Watts)

| End Voltage (V/cell) | 5min | 10min | 15min | 30min | 1h   | 2h   | 3h   | 4h   | 5h   | 10h  | 20h  |
|----------------------|------|-------|-------|-------|------|------|------|------|------|------|------|
| 1.60V                | 280  | 179   | 143   | 80.2  | 49.7 | 27.4 | 20.0 | 16.0 | 13.7 | 7.59 | 4.20 |
| 1.65V                | 271  | 173   | 140   | 78.6  | 48.9 | 27.3 | 19.9 | 15.9 | 13.6 | 7.56 | 4.19 |
| 1.70V                | 260  | 166   | 134   | 76.2  | 47.7 | 27.0 | 19.7 | 15.8 | 13.5 | 7.52 | 4.16 |
| 1.75V                | 249  | 159   | 130   | 74.3  | 46.7 | 26.6 | 19.6 | 15.7 | 13.4 | 7.48 | 4.14 |
| 1.80V                | 235  | 150   | 123   | 71.6  | 45.3 | 25.9 | 19.0 | 15.2 | 13.0 | 7.33 | 4.06 |

### 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                              |                              | 12 V                        |
| Number of cells                              |                              | 6                           |
| Design Floating Life (20°C)                  |                              | 10 years                    |
| Dimensions                                   | Length                       | 151 mm                      |
|                                              | Width                        | 65 mm                       |
|                                              | Height                       | 94 mm                       |
|                                              | Total Height                 | 100 mm                      |
| Weight                                       |                              | 1.95 kg                     |
| Nominal Capacity (25°C)                      | 20 hours rate (1.75)         | 7.00 Ah                     |
|                                              | 10 hours rate (1.75)         | 6.20 Ah                     |
|                                              | 5 hours rate (1.75)          | 5.60 Ah                     |
|                                              | 1 hour rate (1.60)           | 4.29 Ah                     |
| Internal Resistance<br>(fully charged, 25°C) |                              | 26 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                     |                              | 2.10 A                      |
| Maximum discharge current (25°C)             |                              | 105 A (5 sec.)              |
| Short Circuit Current (25°C)                 |                              | 400 A                       |

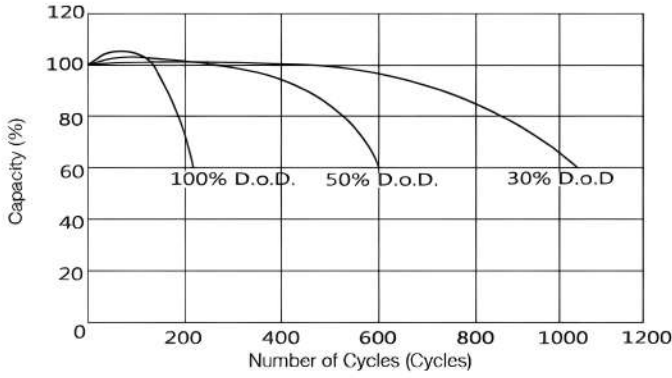


**WELLSAN DIŞ TİCARET LİMİTED ŞİRKETİ.**

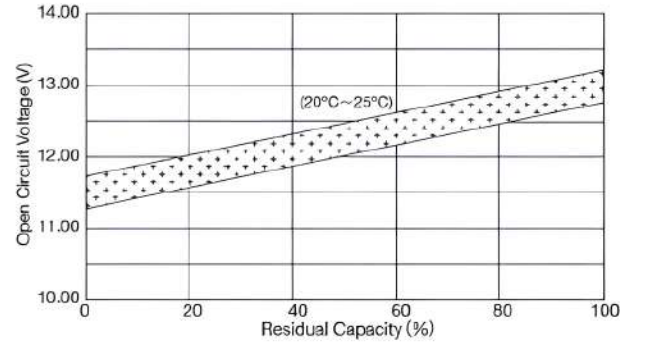
**Zafer Mah. Babaocağı SK. No: 2-4 iç Kapi No: 50 bahçelievler 34180 / ISTANBUL TÜRKİYE .**

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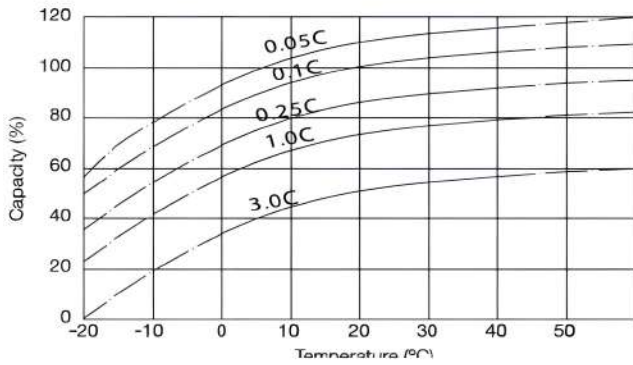
### Cycle Service Life in Relation to Depth of Discharge



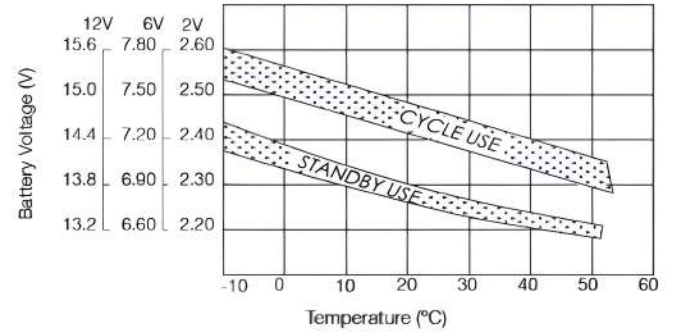
### Relationship Between OCV and Residual Capacity (25°C)



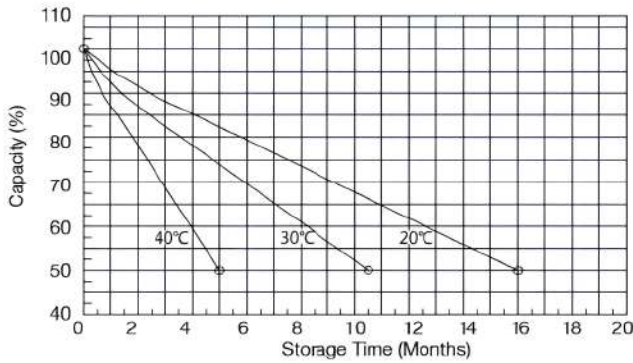
### Temperature Effects on Capacity



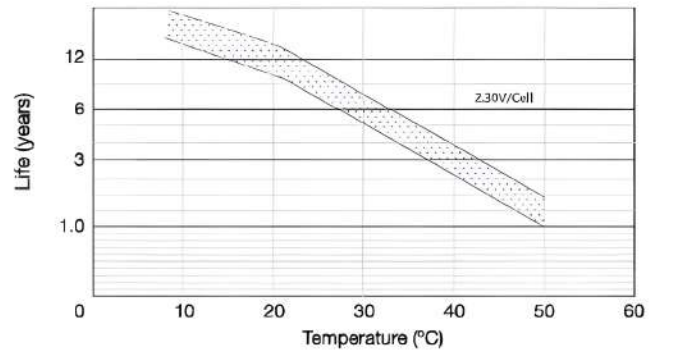
### Relationship Between Charging Voltage and Temperature



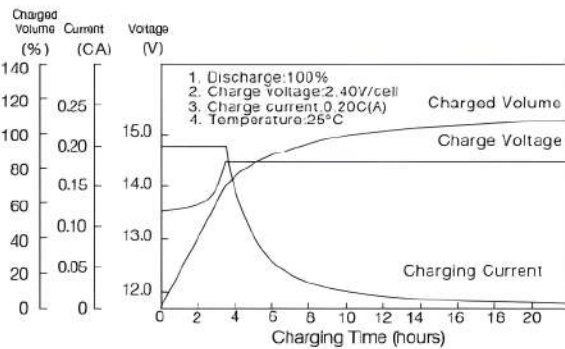
### Self Discharge Characteristics



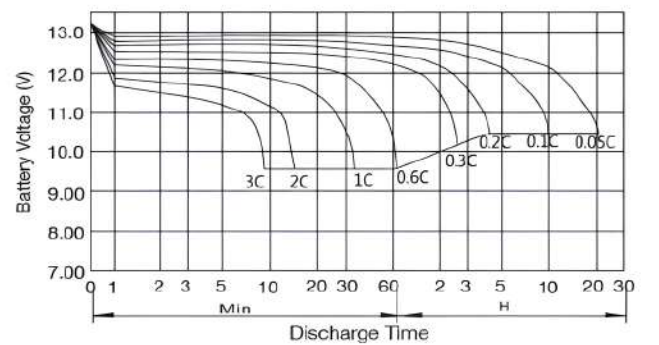
### Temperature Effects on Float Life



### Charging Characteristics (25°C)



### Discharge Characteristics (25°C)



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