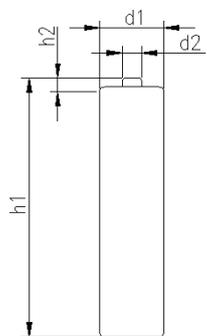


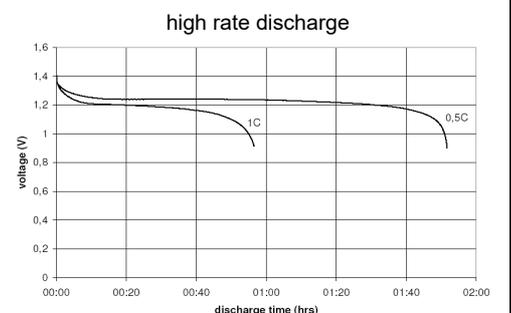
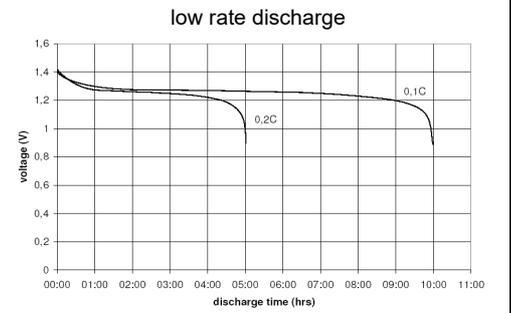
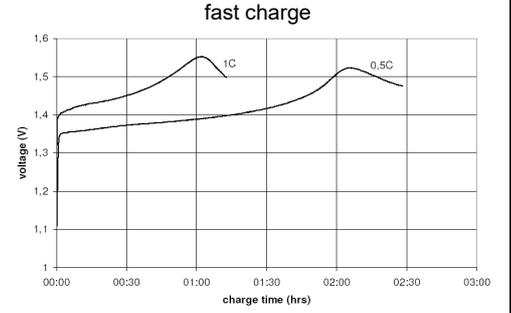
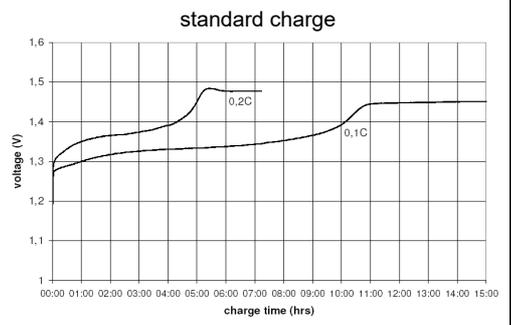
|  |   | Conditions   |             |
|--|---|--|-------------|
| <b>cell type:</b>                                  | NiMH  |  |             |
| <b>cell size:</b>                                  | AAA   |  |             |
| <b>nominal voltage:</b>                            | 1.2 V   |  |             |
| <b>max. charge voltage:</b>                        | 1.5 V   | at standard charge (0.1C / 20°C)   |             |
| <b>capacity</b>                                    |   |  |             |
| nominal:   | 600 mAh   | discharge at 0.2C  |             |
| minimum:   | 550 mAh   | discharge at 0.2C  |             |
|  | 500 mAh   | discharge at 1C  |             |
|  |   | 1.0V end discharge voltage   |             |
|  |   | ta: 20°C   |             |
| <b>max. continuous discharge current:</b>          | 1650 mA   | ta: 0...45°C   |             |
| <b>charge</b>                                      |   | current  | time        |
| standard charge:                                   | 55 mA   | 170 mA   | 14....16hrs |
| quick charge:                                      | 170 mA  | 550 mA   | 4hrs        |
| fast charge:                                       | 550 mA  |  | 1.1hrs      |
| recommended charge termination control parameters: | 0...5 mV<br>0.8...1 °C<br>45...50 °C  | - ΔV (-deltaV)<br>temperature rise per minute<br>TCO (temperature cut off)                                     |             |
| trickle charge current:                            | 5...15 mA   | (recommended)  |             |
| continuous overcharge: (less than 1 year)          | ≤ 55 mA   | no conspicuous deformation<br>no leakage   |             |
| <b>internal resistance:</b> (impedance)            | ≤ 50 mΩ   | at 1KHz<br>battery fully charged   |             |
| <b>life expectancy:</b>                            | ≥ 500 cycles  | acc. IEC standard  |             |
| <b>self discharge</b>                              |   |  |             |
| charge retention:                                  | ≥ 80 %  | after 12 months<br>storage at 20°C   |             |
| <b>initial capacity:</b>                           | ≥ 400 mAh   | within 30 days after delivery<br>discharge at 0.2C   |             |
| <b>ambient temperature range:</b>                  | 0...45 °C<br>10...40 °C<br>- 20...65 °C<br>- 20...50 °C<br>- 20...40 °C<br>- 20...30 °C | standard charge<br>fast charge<br>discharge<br>storage (≤3months)<br>storage (≤6months)<br>storage (≤24months) |             |

QCT1: 20/500/50  
QCT2: 30/450/55

| mechanical specifications |      |            |    |
|---------------------------|------|------------|----|
| cell dimensions           |      |            |    |
| diameter d1:              |      | 10.5 - 0.7 | mm |
| diameter d2:              | max. | 3.8        | mm |
| height h1:                |      | 44.5 - 1.5 | mm |
| height h2:                | min. | 0.8        | mm |
| weight:                   |      | 11.5 ± 2   | g  |



**Diagrams**



|  |  |  |
|--|--|--|
|  | <b>ANSMANN Specifications for model:</b> | <b>NiMH Battery</b>                    |
|  | data sheet no. / part no.                | <b>AAA - 600mAh low self discharge</b> |
|  | supplier no.                             | 702069                                 |
|  | author / date                            | TG / 01.08.2018                        |

Manufacturer reserves the right to alter or amend the design, model and specification without prior notice