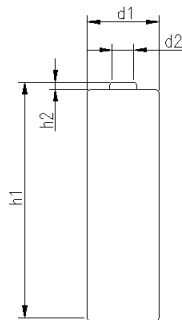


| | | Conditions | |
|--|------------|------------|--|
| cell type: | | NiMH | |
| cell size: | | AA | |
| nominal voltage: | 1.2 | V | |
| max. charge voltage: | 1.5 | V | at standard charge (0.1C / 20°C) |
| capacity | | | |
| nominal: | 1300 | mAh | discharge at 0.2C |
| minimum: | 1300 | mAh | discharge at 0.2C |
| | 1200 | mAh | discharge at 1C |
| | | | 1.0V end discharge voltage |
| | | | ta: 20°C |
| max. continuous discharge current: | 3900 | mA | ta: 0...45°C |
| charge | | | |
| standard charge: | 130 | mA | 14....16hrs |
| quick charge: | 390 | mA | 4hrs |
| fast charge: | 1300 | mA | 1.1hrs |
| recommended charge termination control parameters: | 0...5 | mV | - ΔV (-deltaV) |
| | 0.8...1 | °C | temperature rise per minute |
| | 45...50 | °C | TCO (temperature cut off) |
| trickle charge current: | 10...30 | mA | (recommended) |
| continuous overcharge: (less than 1 year) | ≤ 130 | mA | no conspicuous deformation no leakage |
| internal resistance: (impedance) | ≤ 45 | mΩ | at 1KHz battery fully charged |
| life expectancy: | ≥ 500 | cycles | acc. IEC standard |
| self discharge | | | |
| charge retention: | ≥ 80 | % | after 12 months storage at 20°C |
| initial capacity: | ≥ 900 | mAh | within 30 days after delivery discharge at 0.2C |
| ambient temperature range: | 0...45 | °C | standard charge |
| | 10...40 | °C | fast charge |
| | 0...45 | °C | discharge (≥1C) |
| | - 20...65 | °C | discharge (<1C) |
| | - 20...50 | °C | storage (≤3months) |
| | - 20...40 | °C | storage (≤6months) |
| | - 20...30 | °C | storage (≤24months) |
| QCT1: | 20/1250/45 | | |
| QCT2: | 30/1150/50 | | |

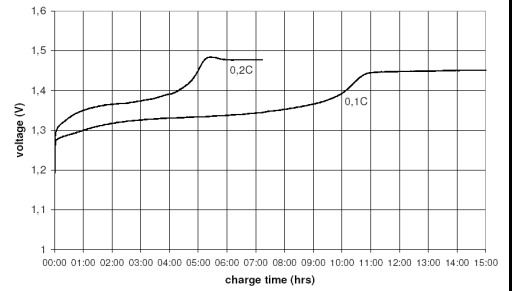
mechanical specifications

| cell dimensions | | | |
|--|------|------------|----|
| diameter d1: | | 14.3 - 0.7 | mm |
| diameter d2: | max. | 5.5 | mm |
| height h1: | | 50.4 - 0.5 | mm |
| height h2: | min. | 1.2 | mm |
| weight: | | 23 ± 2 | g |
| blister card dimensions: | | 123 x 85 | mm |
| blister card weight (incl. batteries): | | 100 | g |

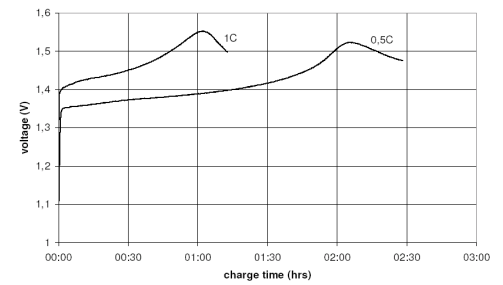


Diagrams

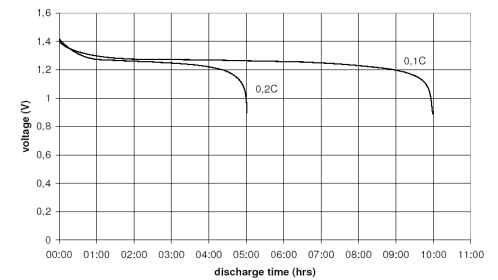
standard charge



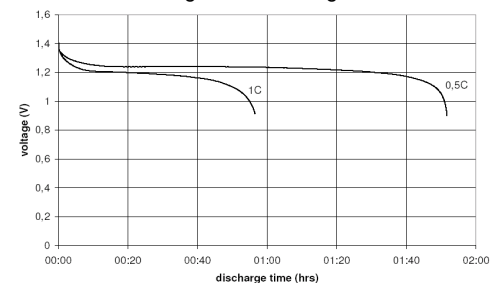
fast charge



low rate discharge



high rate discharge



| | | |
|--|--|---|
| | ANSMANN Specifications for model: | AA - 1300mAh low self discharge 4pcs blister package |
| | data sheet no. / part no. | 5030792 |
| | supplier no. | 702069 |
| | author / date | Gramlich / 13.02.2012 |