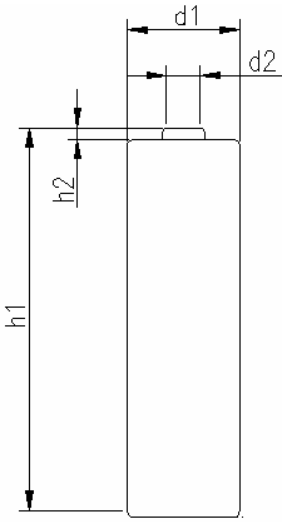
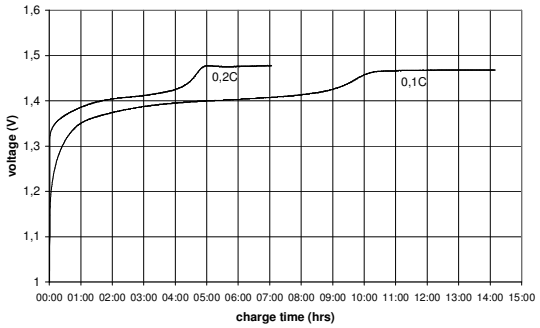
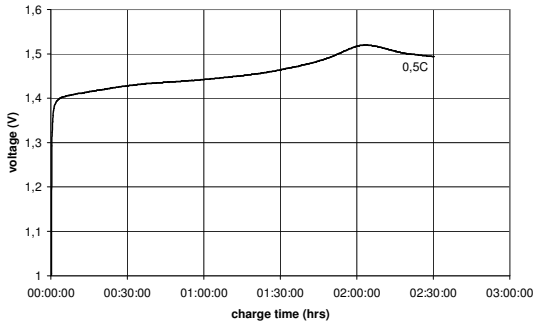
| | | |
|---|---|---|
| | | conditions |
| **nominal voltage**: | 1,2V | |
| max. charge voltage: | 1,5V | at standard charge (0,1C / 20°C) |
| **capacity** | | |
| nominal : | 2100mAh | discharge at 0,2C |
| minimal: | 1950mAh | discharge at 0,2C |
| | 1850mAh | discharge at 1C |
| | | 1,0V end discharge voltage |
| | | ambient temperature 20°C |
| **max. continuous discharge current:** | 4000mA | ambient temperature 20....50°C |
| **charge** | charge current | charge time |
| standard charge: | 210mA | 16hrs at 20°C |
| quick charge: | 500mA | 5hrs |
| fast charge: | 1400mA | 1,7hrs |
| recommended charge termination control parameters: | -dV: 5....10mV<br>dT/dt: 0,8....1°C per min<br>TCO: 40...50°C | |
| trickle charge current: | 20....100mA | (recommended) |
| continuous overcharge: (less than 1 year) | < 105mA | no conspicuous deformation, no leakage |
| **internal resistance:** | ≤ 35mOhms | at 1000Hz, battery fully charged |
| **life expectancy:** | > 500 cycles | IEC standard |
| **self discharge** charge retention: | > 75% | after 12months storage at 20°C |
| **ambient temperature range:** | 0....45°C | standard charge |
| | 0....40°C | fast charge |
| | -20....65°C | discharge |
| | -20....50°C | storage less than 30 days |
| | -20....40°C | storage less than 3 months |
| | -20....35°C | storage less than 1 year |

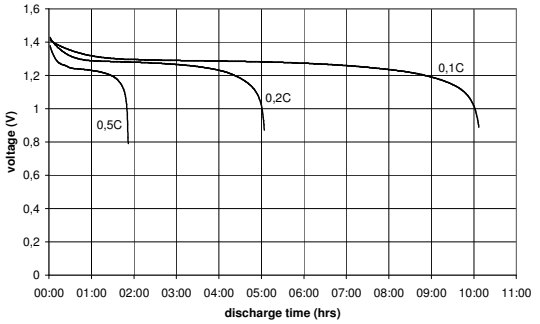

Standard Charge



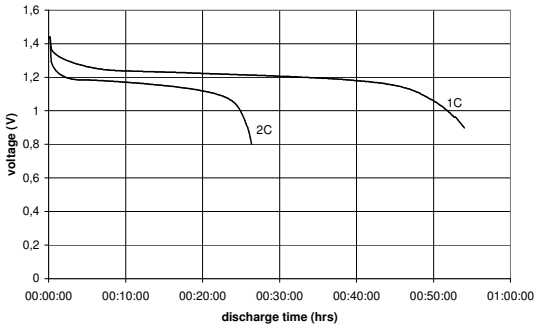

Fast Charge (Charge Control required)




Low Rate Discharge




High Rate Discharge




**mechanical specifications**

cell dimensions (with sleeve)

| | |
|---|---|
| diameter d1: | 14,3 – 0,4mm |
| diameter d2: | 5,5 – 0,5mm |
| height h1: | 50,4 – 0,5mm |
| height h2: | min. 1,0mm |
| weight: | approx. 28g |



| | | |
|---|---|---|
| ANSMANN® | specifications for model/type: | AA – NiMH 2100mAh Max e |
| | | low self discharge cell |
| | Ansmann drawing number / part number: | 5030991 |
| | | |
| | author / date: | Gramlich / 29.08.2007 |