

nominal voltage: 1,2V
max. charge voltage: 1,5V

conditions

at standard charge
 (0,1C / 20°C)

capacity

nominal : 4500mAh
 3700mAh
 minimum: 4200mAh

discharge at 0,2C
 discharge at 1C
 discharge at 0,2C
 1,0V end discharge voltage
 ambient temperature 20°C

**max. continuous
 discharge current:**

4500mA

ambient temperature
 20....50°C

charge

standard charge: 450mA
 rapid charge: 1000mA
 fast charge: 2250mA

charge current
 charge time
 16hrs at 20°C
 5hrs
 2,2hrs

recommended charge
 termination control
 parameters: -dV: 0....5mV
 dT/dt: 0,8....1°C per min
 TCO: 45....50°C

trickle charge current: 45....225mA (recommended)

continuous overcharge: ≤450mA
 (less than 1 year)

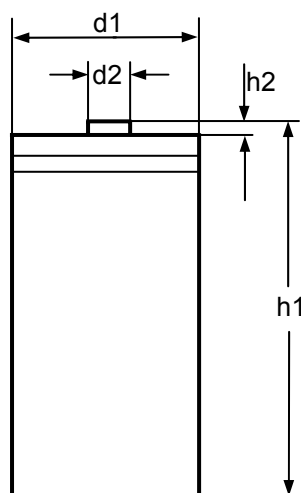
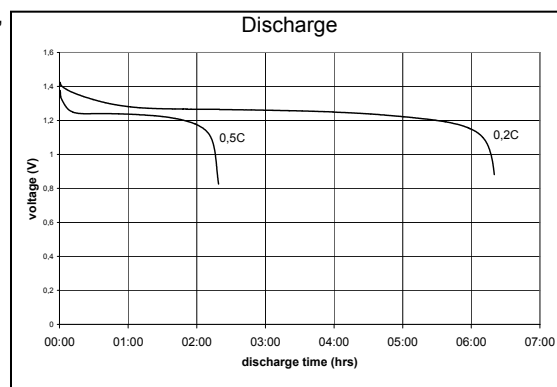
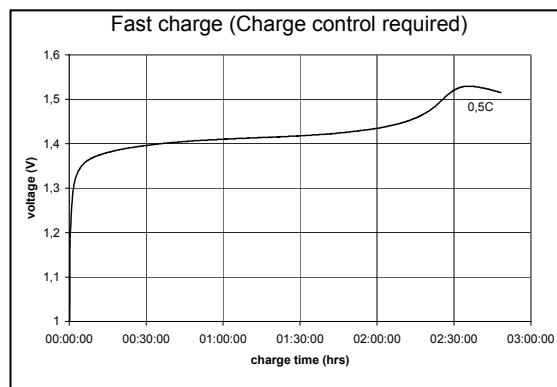
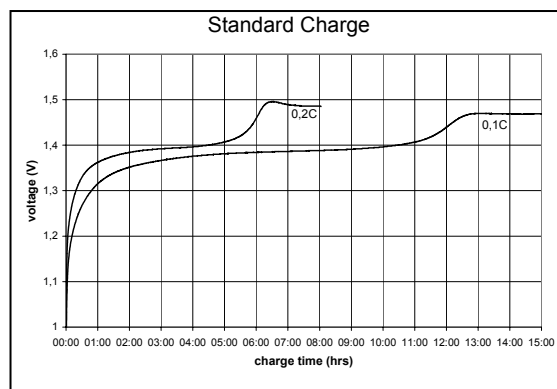
no conspicuous deformation,
 no leakage

internal resistance: <18mOhms
 at 1000Hz,
 battery fully charged

life expectancy: >500 cycles IEC standard

**ambient temperature
 range:** 0....45°C
 10....40°C
 -20....60°C
 -20....35°C
 -20....45°C

standard charge
 fast charge
 discharge
 storage less than 6 months
 storage less than 1 month



mechanical specifications

cell dimensions (with sleeve)
 diameter d1: 26,0 – 1,0mm
 diameter d2: 7,5 - 2,5mm
 height h1: 50,0 - 1,5mm
 height h2: min. 1,5mm
 weight: approx. 80g



specifications for model/type:

C – NiMH 4500mAh

Ansmann drawing number / part number:

5030621

drawn by / date:

Gramlich / 27.12.2005