

cell type: NiMH
cell size: Sub-C
number of cells: 6

nominal voltage: 7.2 V
max. charge voltage: 9.0 V

Conditions
 at standard charge
 (0.1C / 20°C)

capacity
 nominal: 4700 mAh discharge at 0.2C
 minimum: 4500 mAh discharge at 0.2C
 4300 mAh discharge at 2C
 6.0V end discharge voltage
 ta: 20°C

max. discharge current
 continuous: 30 A ta: 0...50°C
 temporary: 50 A

charge
 standard charge: current 470 mA time 14...16hrs
 quick charge: 2350 mA 2.1hrs
 fast charge: 4700 mA 1.05hrs

recommended charge termination: 15...30 mV - delta V
 termination control: 0.8...1 °C temperature rise per minute
 parameters: 45...55 °C TCO (temperature cut off)

trickle charge current: 47...235 mA (recommended)

continuous overcharge: ≤ 470 mA no conspicuous deformation
 (less than 48hours) no leakage

internal resistance: ≤ 40 mΩ at 1KHz
 (impedance) battery fully charged

life expectancy: ≥ 500 cycles acc. IEC standard

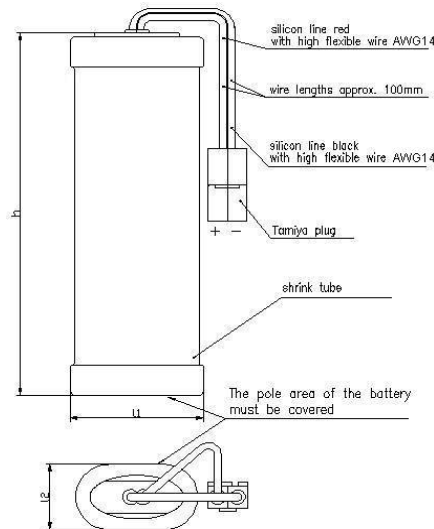
self discharge
 charge retention: ≥ 60 % after 28days
 storage at 20°C

ambient temperature range:
 0...45 °C standard charge
 10...40 °C fast charge
 - 20...50 °C discharge
 - 20...40 °C storage (≤1 month)
 - 20...25 °C storage (≤12months)

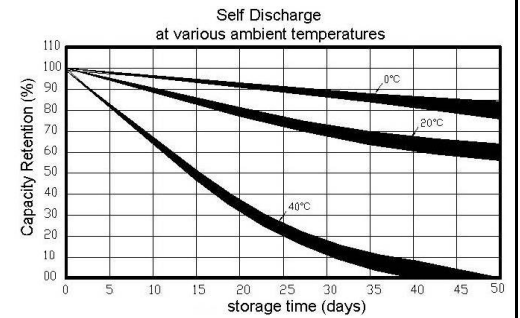
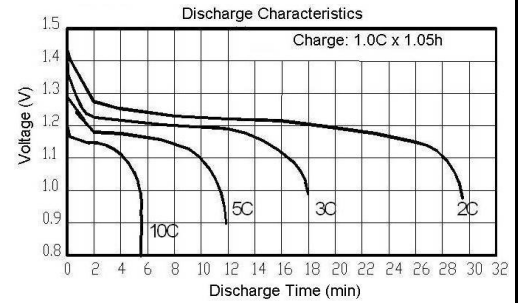
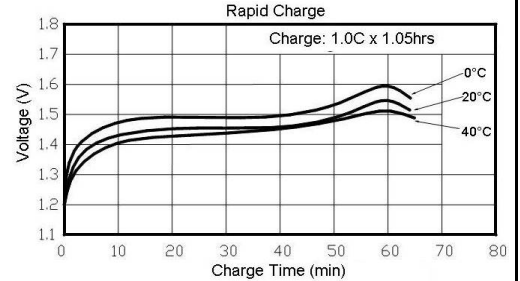
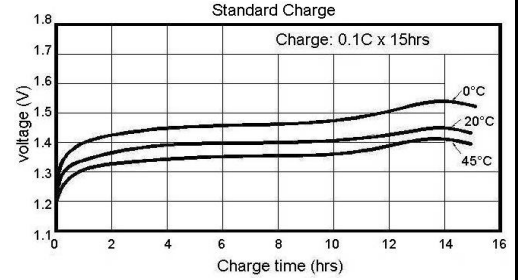
QCT1: 20/4400/45
 QCT2: 30/4300/45

mechanical specifications

pack dimensions (with sleeve)
 length I1: 48 +/- 1 mm
 length I2: 24 +/- 1 mm
 height h: 135 +/- 3 mm
 weight: 430 +/- 20 g



Diagrams for single cell



	ANSMANN Specifications for model:	NiMH RC - Battery Pack
		7.2V 4700mAh (w. Tamiya plug)
	data sheet no. / part no.	4050-0004
	supplier no.	518102
	author / date	TG / 14.05.2012