

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

recommended charge 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 (≤1month)
- 20...25 °C storage (≤12months)

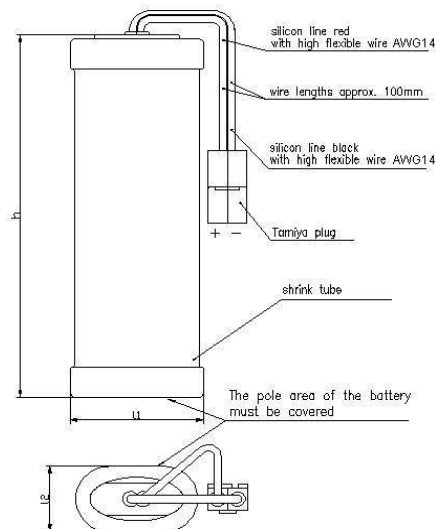
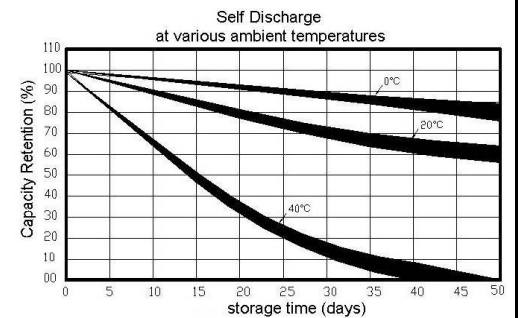
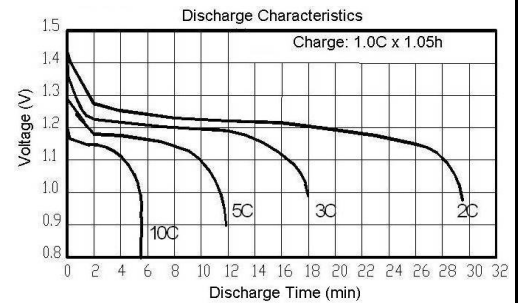
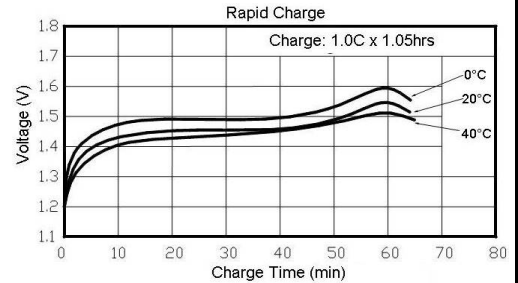
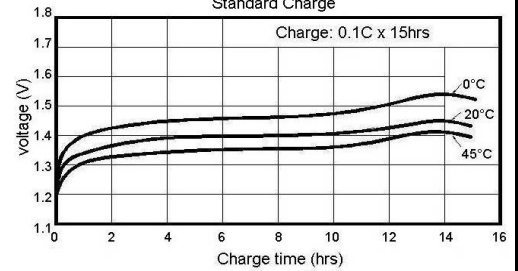
QCT1: 20/4400/45
QCT2: 30/4300/45

mechanical specifications
pack dimensions (with sleeve)

length l1: 48 +/- 1 mm
length l2: 24 +/- 1 mm
height h: 135 +/- 3 mm

weight: 430 +/- 20 g

Diagrams for single cell



94



ANSMANN Specifications for model:

data sheet no. / part no.

supplier no.

author / date

NiMH RC - Battery Pack

7.2V 4700mAh (w. Tamiya plug)

4050-0004

518102

TG / 14.05.2012