

cell type: NiMH HP-SC3.0 (low self discharge type)
cell size: Sub-C

Conditions

nominal voltage: 7.2 V
max. charge voltage: 9.0 V at standard charge (0.1C / 20°C)

capacity
 nominal: 3000 mAh discharge at 0.2C
 minimum: 2750 mAh discharge at 0.2C
 2600 mAh discharge at 1C
 6.0V end discharge voltage
 ta: 20°C

max. continuous discharge current: 10 A ta: 0...45°C
max. peak current: 20 A

charge
standard charge: current 300 mA time 14...16hrs
quick charge: 850 mA 4hrs
fast charge: 3000 mA 1.1hrs

recommended charge termination control parameters: 15...45 mV - delta V
 0.8...1 °C temperature rise per minute
 45...50 °C TCO (temperature cut off)

trickle charge current: 30...100 mA (recommended)

continuous overcharge: ≤ 300 mA no conspicuous deformation (less than 1 year) no leakage

internal resistance: ≤ 100 mΩ at 1KHz battery fully charged (impedance)

life expectancy: ≥ 500 cycles acc. IEC standard

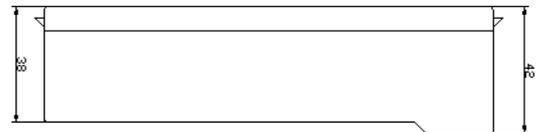
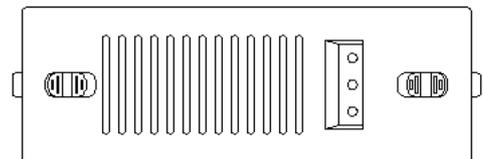
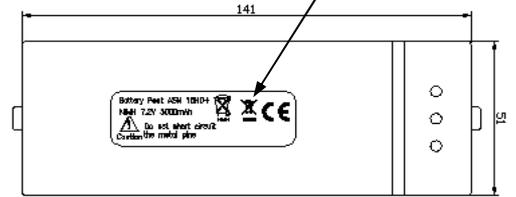
self discharge
charge retention: ≥ 75 % after 6 months storage (at ≤ 20°C ambient)
 ≥ 65 % after 12months storage

ambient temperature range:
 0...45 °C standard charge
 10...40 °C fast charge
 - 20...65 °C discharge (≤1.0C)
 0...45 °C discharge (>1.0C)
 - 20...50 °C storage (≤3months)
 - 20...40 °C storage (≤6months)
 - 20...30 °C storage (≤24months)

mechanical specifications
 pack dimensions (with sleeve)

length: 141 +/- 2 mm
width: 51 +/- 1 mm
height: 42 (38) +/- 1 mm

weight: 430 +/- 20 g



ANSMANN Specifications for model:	NiMH - Battery-Pack for ASN15HD+ 7.2V 3000mAh
data sheet no. / part no.	3002582
Version no.	
author / date	Gramlich / 11.02.2010