VH 2100 4/5 A
Rechargeable Ni-MH Cylindrical

Data Sheet

Type Number ................................. 55021
Designation IEC .............................. 4/5A
System ........................................ Ni-MH

Nominal Voltage ......................... 1.2 V
Typical Capacity (0.2C / 1.0V).......... 2160 mAh
Nominal Capacity (0.2C / 1.0V)....... 2100 mAh

Impedance AC at 1kHz, fully charge..< 25 mΩ
Max Discharge Current (3C / 1.0V)..... 6.300 mA
Weight (approx.) ......................... 33,0 g

Dimensions
Diameter (a) ................................ 16,30 17,00
Height (b) .................................. 42,00 43,00
Cup Diameter (d) ......................... 8,0

Temperature Ranges
Storage 1 Year (1)
-20°C 25°C
6 Month -20°C 35°C
1 Month -20°C 45°C

recharge every 3 months
Charge 0°C 45°C
Fast Charge 10°C 45°C
Discharge -20°C 50°C

Charge Conditions
Standard Charge 210 mA / 16 h (tmax)
Fast Charge (charge termination control
1050 mA to 2100 mA recommended).
(0.5 to 1C)
Control parameters
-ΔV = 0 – 5 mV
DT/dt = 0.8°C/min (0.5 to 0.9C)
0.8°C – 1°C/min (1C)
Temp. cut-off = 45 – 50°C
Timer: 105% nominal input
105 - 210 mA

Trickle Charge (0.05-0.1 C)
IEC Cycle: > 500 Cycles (IEC 61951-2)

Information and contents in this data sheet are for reference purpose only.
They do not constitute any warranty or representation and are subject to change without notice.
For most current information and further details, please contact your VARTA representative.

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Date of issue: 2015-03-24

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