CP 300 H
Rechargeable NiMH Button

Data Sheet 1)

Type Number: 55630
System: Nickel Metal Hydride/
        KOH Electrolyte
Nominal Voltage [V]: 1.2
Nominal Capacity C [mAh]: 280
Typical Capacity C [mAh]: 300
        at 56 mA / 1.00 V
Weight, approx. [g]: 11
Dimensions [mm]:
        Diameter [d]: 24.95  25.1
        Height [h]: 6.95    7.55
UL Recognition: MH 13654 (N)
Coding: Manufacturing 5 digit code
        (123 = day/4 = year/5 = version)
Temperature Ranges [°C]
        min.  max.
        Storage: less than 30 days -40  65
        Discharge: -20  65
        Charge: 0      65
Charging Method:
        Normal Charging: 28 mA for 14 – 16 h
        Accelerated Charging (20°C): 56 mA for 7-8 h
        Fast Charging: 140 mA for 3 h *
        Time controlled, voltage control recommended
        Trickle Charging: 8.4 mA
Overcharge (20°C):
        28 mA continuous
        56 mA up to 1 year
Charge Retention [%] at 20°C:
        90
        Capacity available after 1 month Storage at 20°C
Internal Resistance [Ohm]: 0.47
        at charged cells, 20°C, DC: 0.2 CA/2 CA, (IEC 61951-2)
Impedance [Ohm]: 0.08
        at charged cells, 20°C, AC: 1kHz, (IEC 61951-2)
Typical Capacities [mAh]:
        At 280 mA / 0.90 V 170
Max. Discharge Current (cont.) [mA]: 560

Life Expectancy (typical):
        IEC Cycle: 1000 Cycles
        Trickle Charge: up to 6 years (20°C)
        Trickle Charge: up to 3 years (45°C)

* for fully discharged cells, 20 °C
Capacities based on normal charging

1) Prior to use read Rechargeable NiMH Button Cell handbook @ www.varta-microbattery.com

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