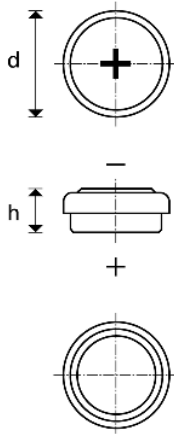


Data Sheet ^{1.)}

| | | |
|----------------------------------|--|-------------|
| 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]: | min. | max. |
| 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