### Data Sheet

**Type Number:** 55860  
**System:** Nickel Metal Hydride/KOH Electrolyte  
**Nominal Voltage [V]:** 1.2  
**Nominal Capacity C [mAh]:** 580  
**Typical Capacity C [mAh]:** 600  
- at 116 mA / 1.00 V  
**Weight, approx. [g]:** 14.5  
**Dimensions [mm]:**  
- Length [l]: 23.9 - 24.1  
- Width Facing [w]: 33.9 - 34.1  
- Height [h]: 6.3 - 6.8  
**UL Recognition:** MH 13654 (N)  
**Coding:** Manufacturing 5 digit code  
- (123 = day/4 = year/ 5 = version)  
**Temperature Ranges [°C]:**  
- **Storage:** less than 30 days -40 - 85  
- **Discharge:** -20 - 85  
- **Charge:** 0 - 85  
**Charging Method:**  
- **Normal Charging:** 58 mA for 14 – 16 h  
- **Accelerated Charging (20°C):** 175 mA for 4 h  
- Time controlled, voltage control recommended  
- **Fast Charging (20°C):** 580 mA for h *  
- **Trickle Charging:** 5.8 mA  
**Overcharge (20°C):** 17.5 mA up to 12 months  
- 58 mA up to 6 months  
**Charge Retention [%] at 20°C:** 80  
- Capacity available after 1 month Storage at 20°C  
**Internal Resistance [Ohm]:** 0.1  
- at charged cells, 20°C, DC: 0.2 CA/2 CA, (IEC 61951-2)  
**Impedance [Ohm]:** 0.015  
- at charged cells, 20°C, AC: 1kHz, (IEC 61951-2)  
**Typical Capacities [mAh]:**  
- at 580 mA / 0.9 V 560  
- at 1.74 A / 0.9 V 520  
**Max. Discharge Current (cont.) [mA]:** 3000  
**Life Expectancy (typical):**  
- **IEC Cycle:** 1000 Cycles (IEC 61951-2)  
- **Trickle Charge:** up to 5 years (20°C)  
- **Trickle Charge:** up to 3 years (45°C)  

* (-dv=5-10 mV/ cell; dT/ dt=0.7°C/min)

Capacities based on normal charging

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