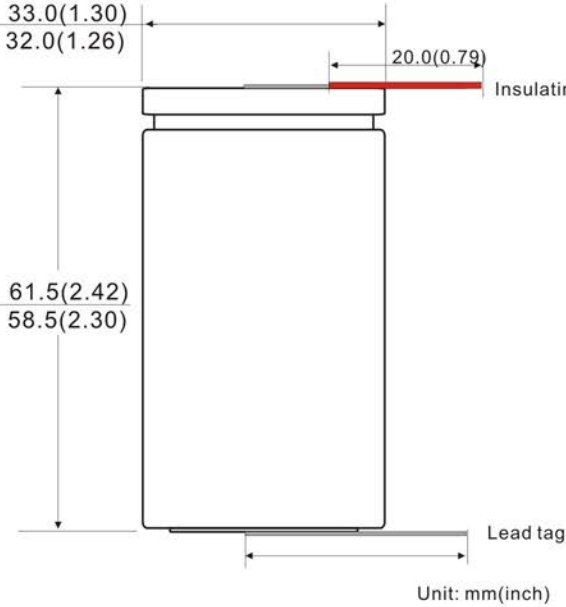


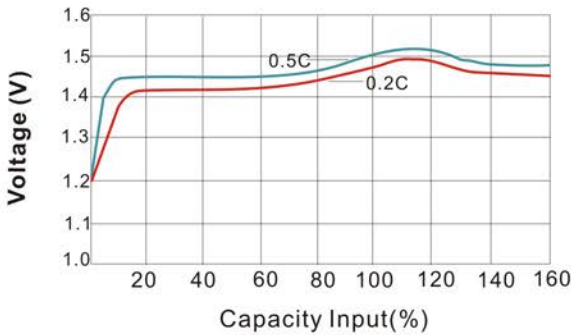
NH-D8000

Dimensions:



| | |
|---|--|
| Chemical System | : Nickel Metal Hydride |
| Camelion Model | : NH-D8000 |
| Average Weight | : 134.0g |
| Dimension (Ø H) | : 32.5 ^{0.5} x 61.0 ^{0.5} mm (1.28 ^{0.02} x 2.32 ^{0.02} inch) |
| Nominal Voltage | : 1.2 Volts |
| Nominal Internal Resistance | : 20.0m-ohm @ 1kHz |
| Capacity(1400mA constantly discharge to 1.0V at 20±2°C) | |
| Typical | : 8100mAh |
| Minimum | : 8000mAh |
| Max. Charge Current | : 4000mA |
| Max. Discharge Current | : 16.0A |
| Relative Humidity | : 65±20% |
| Jacket | : Green PVC Label |

Charge Characteristics



Charging Conditions

| Mode | Current | Time | Temperature |
|----------|-----------|--------------|-------------|
| Standard | 800mA | 15.0hrs | 0°C~45°C |
| Quick | 2400mA | 5.0hrs | 10°C~45°C |
| Fast | 4000mA | 2.5hrs* | 10°C~45°C |
| Trickle | 240~400mA | Continuously | 10°C~35°C |

*Can also be controlled with - ΔV or dT/dt system
 - ΔV : 0-10mV
 dT/dt : 0.8°C/min(0.5C to 0.9C)
 0.8-1.0°C/min(1C)
 Timer cut off : 120% nominal capacity
 Temp. cut off : 55°C

Continuous Overcharge

800mA maximum current for 28 days

Operating and Storage Temperatures

Charge at 0.1C : 0°C to 40°C (32°F to 104°F)
 Discharge at 0.1C : -10°C to 50°C (14°F to 122°F)
 Storage : -20°C to 40°C (-4°F to 104°F)
 (3 Months Max.)

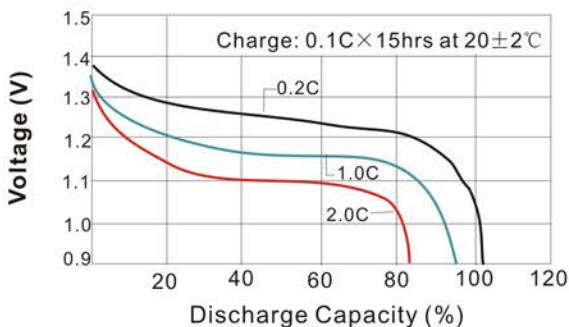
Service Life

-20°C to 30°C (-4°F to 86°F)
 (1 Years Max.)

>500 cycles (IEC standard)

Up to 1000 cycles (not less than 60% of nominal at 0.1C Charge/0.2C discharge)

Discharge Characteristics



Notice:

Environmental elements comply with RoHS requirements. This information is subject to change without prior notice and for reference only. It should not be used as a basis for a product guarantee or warranty. For additional information, please consult your nearest Camelion Sales Office or