

### Features

- Chemical System: Alkaline-Manganese Dioxide (Zn/MnO<sub>2</sub>)
- Replaces 3LR12, GP312A, V4012
- High voltage response, stable during most of the lifetime of the application
- Reliable Performance
- Wide operating temperature range
- Low self-discharge with long operating life (<10% after 1 year of storage at + 20 °C)
- Excellent resistance to corrosion
- Designed to meet all major quality, safety and environment standards:
  - Safety: IEC 60086-5
  - Battery Directive 2006/66/EC
  - RoHS and REACH compliance
  - ISO 9001, Duracell World Class Continuous Program

### Typical applications

- Bicycle Torches
- Flashlights

### Operating conditions

- Operating temperature range -10°C to 60°C (14°F to 140°F)
- Storage temperatures Recommended 5°C to 30°C (41°F to 86°F)

### Electrical characteristics

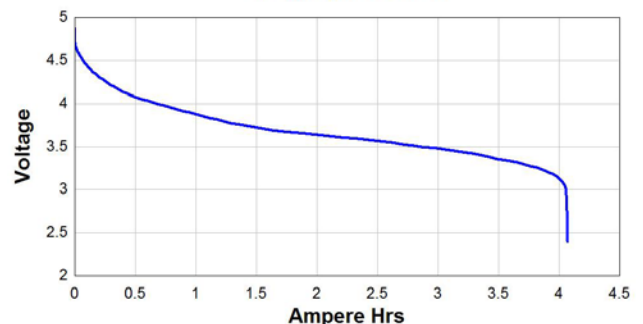
- Nominal capacity (20 Ohm Cont., 2.4 V cut-off) 4000 mAh
- Open circuit voltage (at + 20 °C) 4.5 V

### Physical characteristics

- Typical weight 165g (5.82 oz.)

Delivered capacity is dependent on the applied load, operating temperature and cut-off voltage. Please refer to the charts and discharge data shown for examples of the energy/service life that the battery will provide for various load conditions

**Continuous Discharge (Capacity)  
20 Ohm to 2.4V Cut-off**



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