DURACELL®

MN1203 (3LR12)

Alkaline Manganese Dioxide Battery



Features

- Chemical System: Alkaline-Manganese Dioxide (Zn/MnO2)
- 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:
 - o Safety: IEC 60086-5
 - o Battery Directive 2006/66/EC
 - o RoHS and REACH compliance
 - o ISO 9001, Duracell World Class Continuous Program

Typical applications

- Bicycle Torches
- Flashlights

Operating conditions

- Operating temperature range
- Storage temperatures Recommended

-10°C to 60°C (14°F to 140°F) 5°C to 30°C (41°F to 86° F)



Electrical characteristics

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

4000 mAh 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



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