



Ahead Cell Technology Co.,Ltd

Primary Lithium Battery

CR2 3.0V

Primary lithium-manganese dioxide
(Li-MnO₂)

For high drain/long term operating applications requesting superior voltage response in -40°C ~+80°C environments

Alternative models CR15270

Electrical characteristics

Nominal capacity 800mAh
(At 1mA +20°C, 2.0V cut off. The capacity restored varies according to current, temperature, cut off)

Nominal voltage 3.0V

Max. continuous current (at +20°C) 500mA

Typical Max. continuous current (at +20°C) 1000mA

Pulse capability: Typically up to 1000mA (1000mA/0.1second pulses drained every 2min at 20°C from cells with 10µA base current, yielding voltage readings above 2.0V. The readings may vary according to pulse characteristics, temperature and cell's previous history. Consult ACT if necessary)

Storage (recommended) +30°C Max

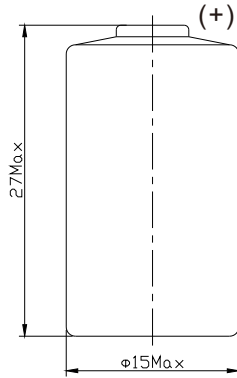
Operating temperature range -40°C~+80°C
(High and low temperature will lower the capacity and load voltage.)

Physical characteristics

Diameter(Max) 15mm

Height(Max) 27mm

Typical weight 11g

CR2 CR15270

Key features

- >High and stable load voltage
- >Superior drain capacity
- >Low self-discharge rate
(less than 1% after 1 year of storage at 20°C)

Main applications

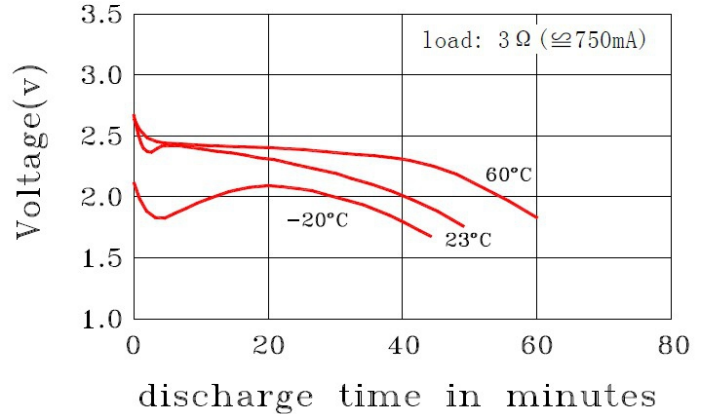
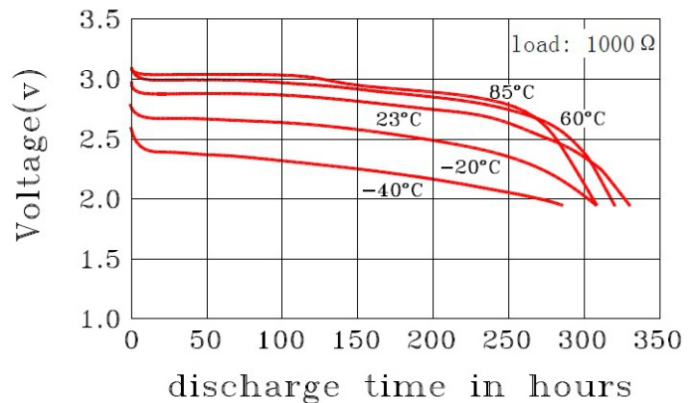
- >Radiocommunication and other military applications
- >RFID
- >Alarms and security systems
- >Beacons and emergency location transmitters
- >GPS equipment
- >Metering systems
- >Led lighting applications
- >Others

Storage

- >Cells should be stored in a clean & dry (less than 70% RH) area
- >Temp. should not exceed +30°C

Warning

- >Do not use if cell casing is mangled
- >Do not use different model of cell in series
- >Soldering the tag should be finished in few seconds
- >Do not try to recharge

Discharge Characteristics

Discharge characteristics on temperature

Pulse Discharge Characteristics
