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## Marketing Data Sheet - Batteries

S6600174  
Issue W  
Memo No:

Rayovac Stock Number: **815, 815 BULK, 815 OEM**

Name: **815 (AA) Alkaline**

### Engineering Parameters:

#### Cell Chemistry:

Alkaline Manganese Dioxide

#### Designation:

ANSI/NEDA – 15A (AA), IEC – LR6

#### Nominal Voltage:

1.5 volts

#### Approximate Weight:

0.8 Oz (24 grams)

#### Approximate Volume:

0.48 CU IN (7.87 CU CM)

#### Operating Temp. Range:

-30° C to 55° C (-20° F to 130° F)

#### Terminals: Flashlight

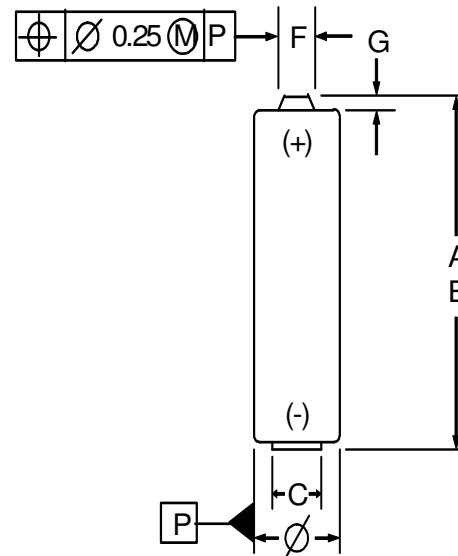
#### Shell: Plastic

#### Environmental:

Meets Environmental Protection Agency (EPA)  
Requirements For Landfill Disposal.

No Mercury Added Formulation

[Rayovac Material Safety Sheets](#)



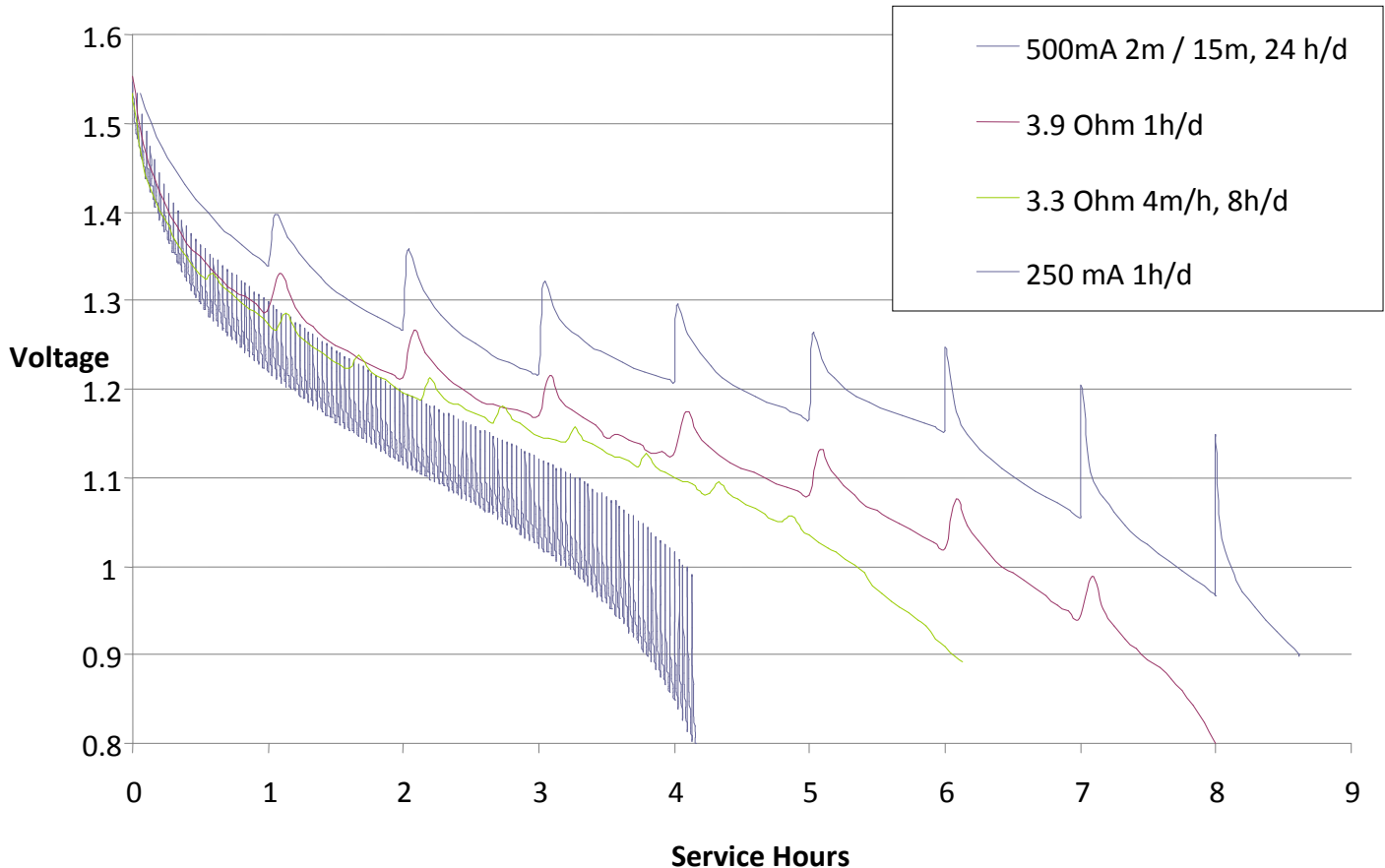
| Dimensions | Millimeters | Inches |
|------------|-------------|--------|
| A (Max)    | 50.5        | 1.988  |
| B (Min)    | 49.5        | 1.949  |
| C (Min)    | 7.0         | 0.276  |
| F (Max)    | 5.5         | 0.217  |
| G (Min)    | 1.0         | 0.039  |
| Ø (Max)    | 14.5        | 0.571  |
| Ø (Min)    | 13.5        | 0.531  |

Service life guidelines and representative discharge curves are shown on the following page.

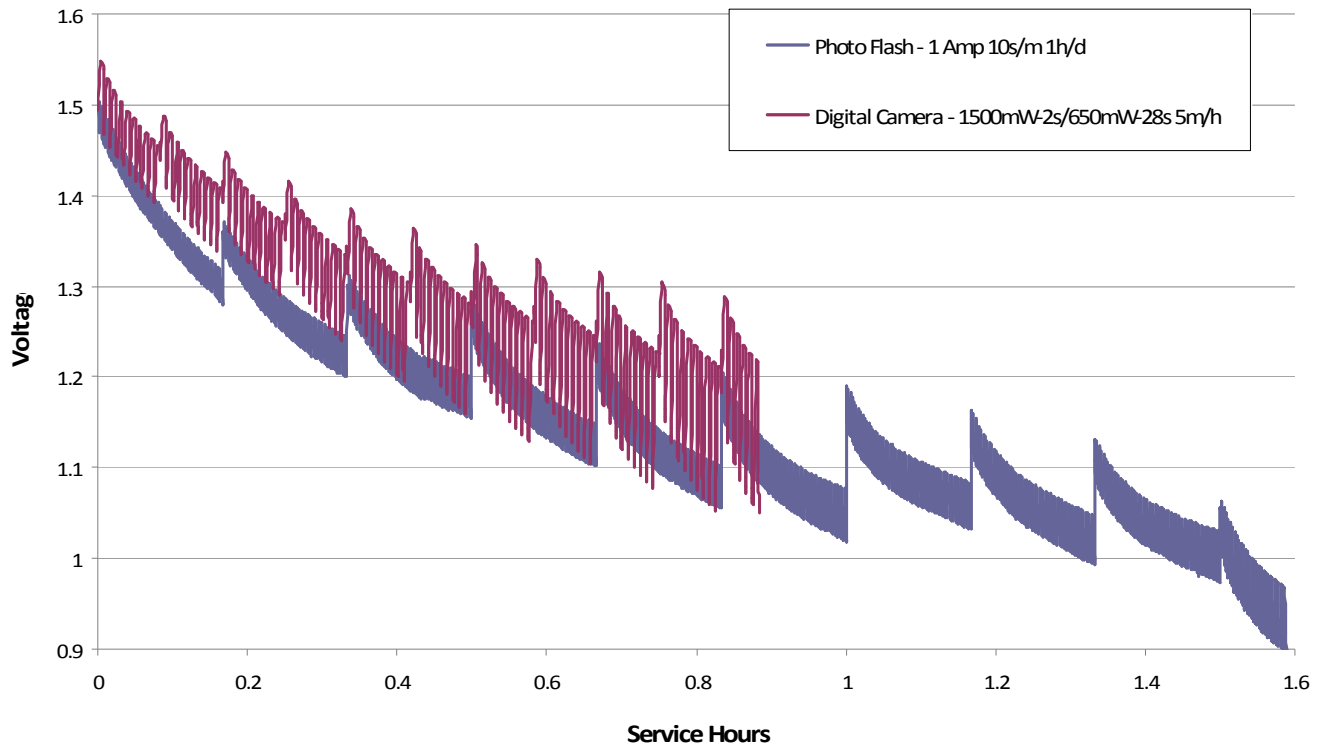
## Typical Initial Service Life

| Application and Duty Cycle                                            | Discharge Load                | Midpoint Current (mA) | Cut-off Voltage | Service | Units  | Discharge Capacity (mAh) |
|-----------------------------------------------------------------------|-------------------------------|-----------------------|-----------------|---------|--------|--------------------------|
| <b>Digital Camera</b><br>(2 sec Load 1,<br>28 sec Load 2)<br>5 min/hr | Load 1: 1.5W<br>Load 2: 0.65W | Variable              | 1.05            | 106     | pulses | 930                      |
| <b>Photo Flash</b><br>10 sec/min 1 h/day                              | 1000 mA                       | 1000                  | 0.9             | 510     | pulses | 1389                     |
| <b>Toothbrush</b><br>2 min/15min                                      | 500 mA                        | 510                   | 0.8             | 4.1     | hours  | 2050                     |
| <b>Lighting</b><br>4 min/hr, 8hr/day                                  | 3.3 $\Omega$                  | 363                   | 0.9             | 6.1     | hours  | 2100                     |
| <b>Toy</b><br>1 hr/day                                                | 3.9 $\Omega$                  | 290                   | 0.8             | 8.0     | hours  | 2317                     |
| <b>CD / Games</b><br>1 hr/day                                         | 250 mA                        | 250                   | 0.9             | 8.6     | hours  | 2150                     |
| <b>Tape / Audio</b><br>1 hr/day                                       | 100 mA                        | 100                   | 0.9             | 25.0    | hours  | 2500                     |
| <b>Remote</b><br>15 sec/min 8 hr/day                                  | 24 $\Omega$                   | 50                    | 1.0             | 49.5    | hours  | 2660                     |
| <b>Radio</b><br>4 hrs/day                                             | 43 $\Omega$                   | 28                    | 0.9             | 93.5    | hours  | 2790                     |

## Typical Discharge Characteristics at 21C (70F)



## Typical Discharge Characteristics at 21C (70F) - Camera Applications



## Typical Discharge Characteristics at 21C (70F)

