

# GP Batteries

## Data Sheet

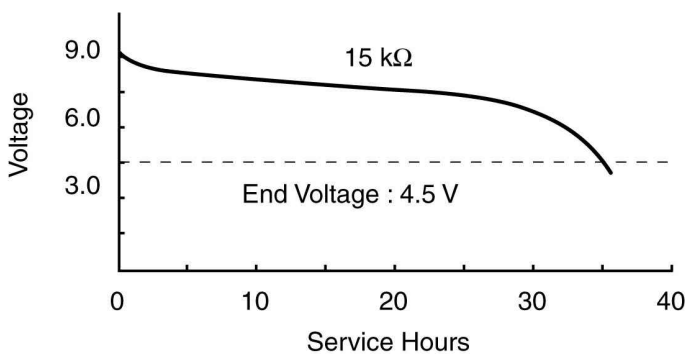
Model No.: GP29A

Description : Alkaline High Voltage Battery  
 Chemical System : Alkaline Manganese Dioxide  
 Nominal Voltage : 9 Volts  
 Nominal Dimensions :  $\varnothing 7.7$  mm x 21.4 mm  
 Terminals : Nickel plated flat contacts - protruded red (+); recessed black (-)  
 Jacket : Metal jacket  
 Internal Connection : Pressure  
 Applications : Remote controller  
 Nominal Weight : 3.5g  
 Nominal Capacity : 18 mAh (to 4.5 Volts), rated at 15k $\Omega$  load, at 20°C.  
 Current Drain : Under 5 mA pulse, 0.5 mA continuous  
 Date Code : Every inner cell will carry a numeric year code and an analogue month code changing bi-monthly. Year code 0 for 1990, 1 for 1991 etc.  
 Shelf Life : Not less than 90% of the service life, for 1 year storage at 20°C  
 Insulation Resistance : 5 M $\Omega$  min.  
 Close Circuit Voltage : 8.0 Volts (min.) (load resistor 1.2k $\Omega$  at 20°C for 1 to 2 seconds)

### Average Service Life:

Discharge Resistance	Discharge Condition	End Point Voltage	Service Life
15 k $\Omega$	24 Hrs/ Day	4.5V	34.5 Hrs

### Typical Discharge Characteristics at 20°C :



### Cross References:

GP	Duracell	Eveready	Varta
29A	--	--	--

