

## 15.11 Battery Characteristics

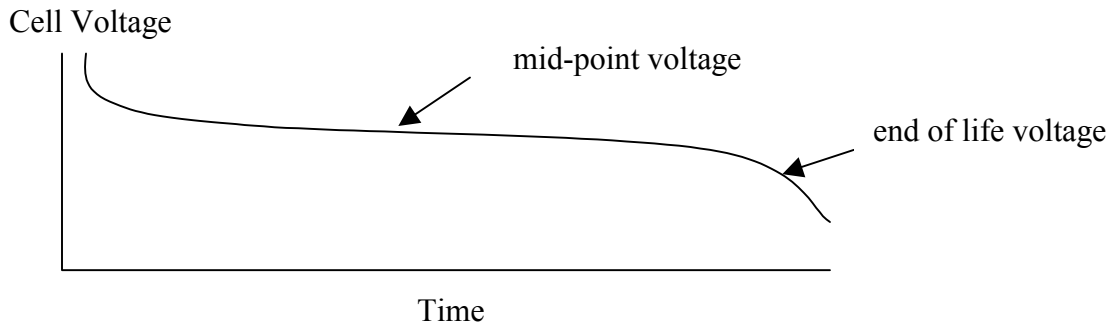


Figure 15.5 Example Battery Discharge Curve

Table 15.2 Characteristics for Various Types of Batteries

Type	Voltage (OC)	Type	Typical Ah Capacity	R internal ( $\Omega$ )
9V alkaline	9 V	primary	0.60 @ 25 mA	2
9V lithium	9 V	primary	1.0 @ 25 mA 0.95 @ 80 mA	18
alkaline D	1.5 V	primary	17.1 @ 25 mA	0.1
alkaline C	1.5 V	primary	7.9 @ 25 mA	0.2
alkaline AA	1.5 V	primary	2.7 @ 25 mA	0.4
alkaline AAA	1.5 V	primary	1.2 @ 25 mA	0.6
Ni-Cd D	1.3 V	secondary	4.0 @ 800 mA 3.5 @ 4 A	0.009
Ni-MH AAA	1.2 V	secondary	0.55 @ 200 mA	?
Ni-MH AA	1.2 V	secondary	1.3 @ 200 mA	?
Ni-MH C	1.2 V	secondary	3.5 @ 200 mA	?
Ni-MH D	1.2 V	secondary	7.0 @ 200 mA	?
Ni-MH 9V	8.4 V	secondary	0.13 @ 200 mA	?
Lithium Ion	3.7 V	secondary	0.76 @ 200 mA	?