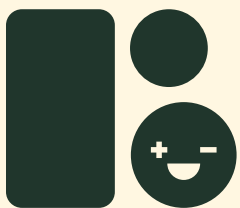
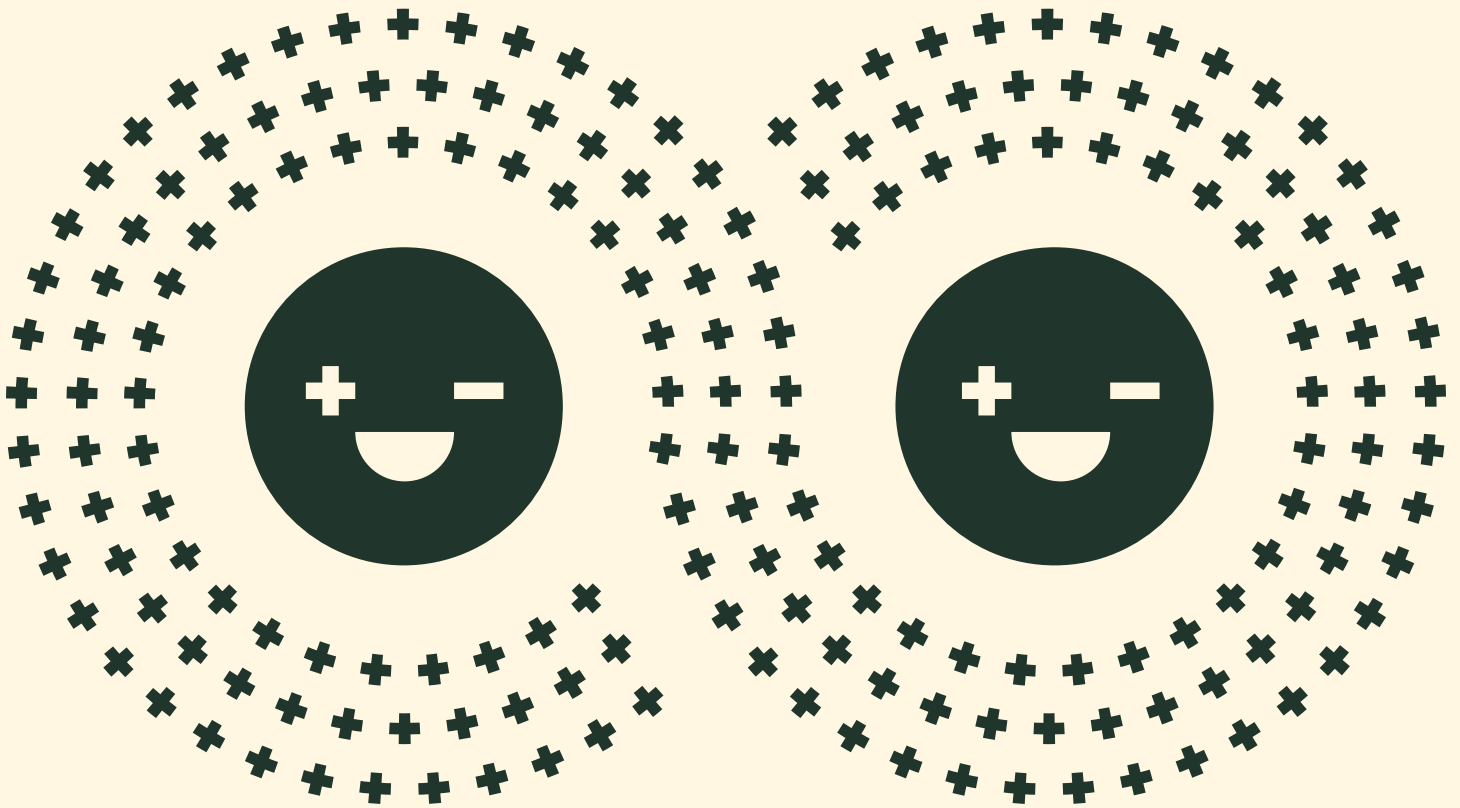


BETTER BATTERY CO.  
BARRIE, ONTARIO  
CANADA

VERSION 1.0

# Product Data Sheet.



Better  
Battery  
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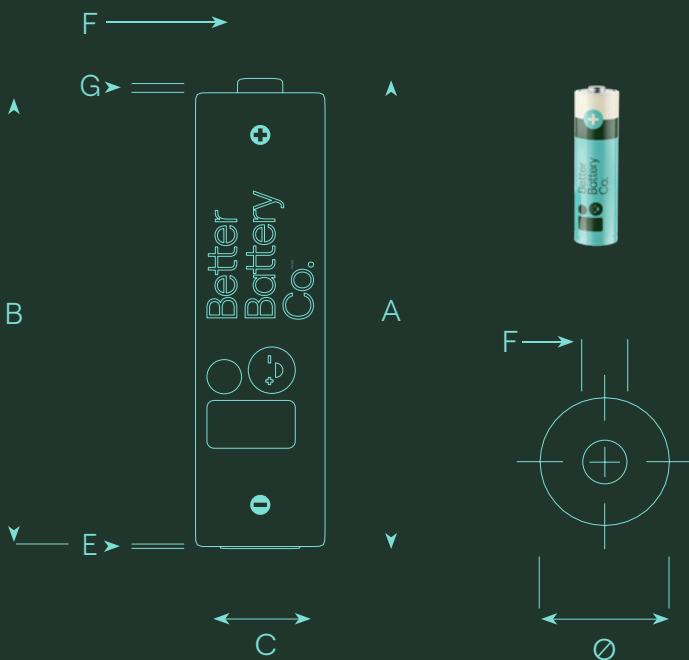
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D Alkaline LR20BBCO	<b>11</b>



# AA Alkaline

## LR6BBCO



## IEC Dimensions (mm)

DIMENSION	MAXIMUM	MINIMUM
A	50.5	—
B	—	49.2
C	—	7.0
E	0.5	—
F	5.5	—
G	—	1.0
Ø	14.5	13.7

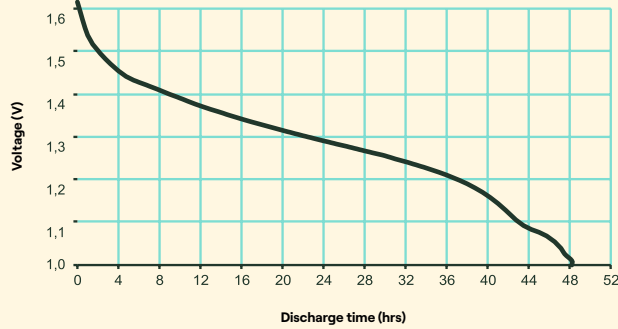
<b>NAME:</b>	LR20 / XL / D / AM1 / MONO / MN1300 / 13A / 13AC
<b>MADE IN:</b>	Belgium
<b>TYPE:</b>	Alkaline Foil
<b>NOMINAL VOLTAGE:</b>	1.5 Volt
<b>ELECTROLYTE:</b>	Potassium Hydroxide
<b>AVERAGE WEIGHT:</b>	140g
<b>STORAGE TEMP. RANGE:</b>	+10°C (50°F) ~ +25°C (77°F)
<b>OPERATING TEMP. RANGE:</b>	-20°C (-4°F) ~ +55°C (131°F)
<b>AVERAGE IMPEDANCE:</b>	+/- 105mΩ @ 1kHz fresh
<b>HEAVY METALS:</b>	No added mercury (Hg), Cadmium (Cd) or Lead (Pb)
<b>COMPLIANT TO:</b>	IEC 60086-1, IEC 60086-2, IEC 60086-5 Non dangerous goods regulation EU directive 2006/66/EC
<b>RECOMMENDED CUT OFF VOLTAGE:</b>	0.8V per cell (0.9V per cell for multi series usage)



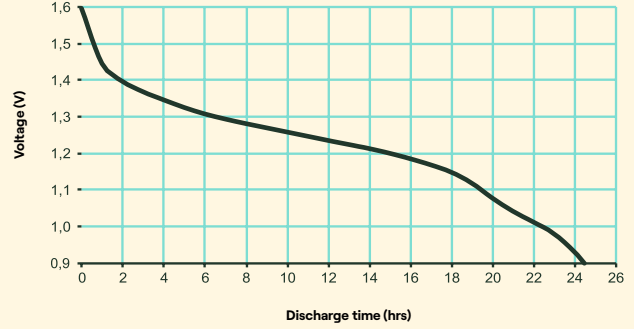
# Typical Discharge Values

## LR6BBCO

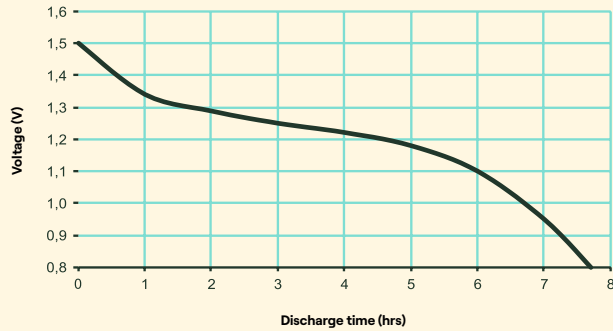
**Radio, clock and remote control**  
1h/8h 50mA cutoff 1.0V



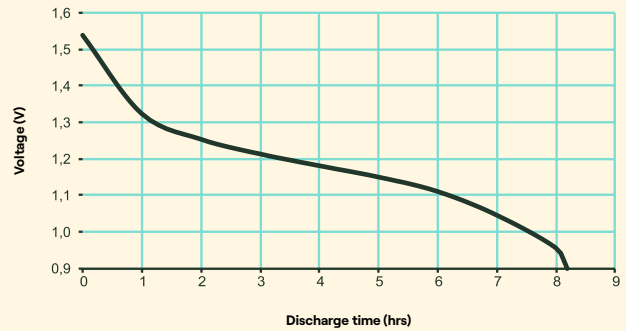
**CD, digital audio, wireless gaming and accessories**  
1h/d 100mA cutoff 0.9V



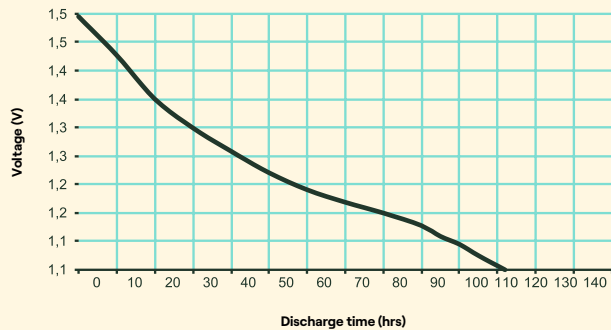
**Motor & toy**  
1h/d 3.9Ω cutoff 0.8V



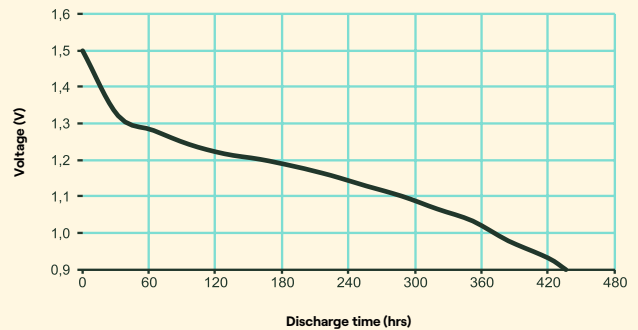
**Toy & non-motorized**  
1h/d 250 mA cutoff 0.9V



**Digital still camera**  
10x (2s 1,5W/28s, 0.65W) 5M, 55m off 24h/d cutoff 1.05V

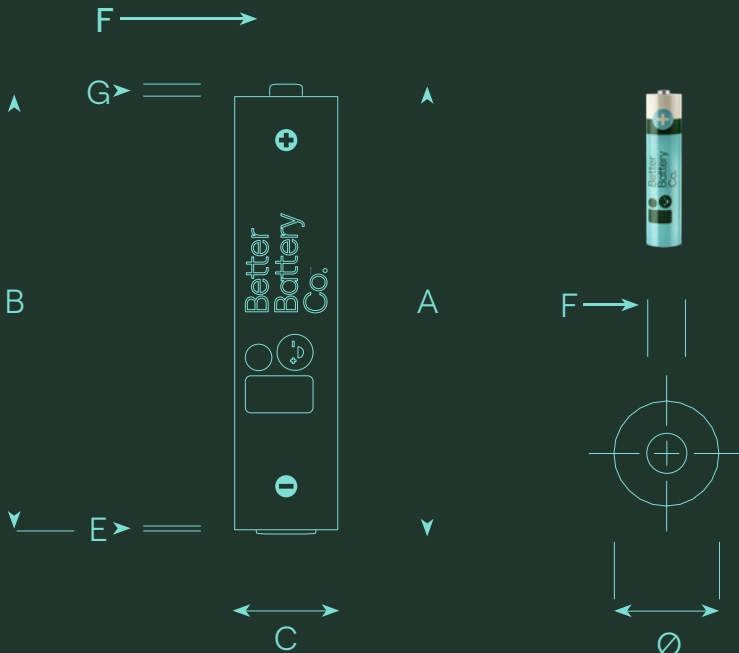


**Portable lighting (LED)**  
4m/h 8h/d 3.9Ω cutoff 0.9V



# AAA Alkaline

## LR03BBCO



## IEC Dimensions (mm)

DIMENSION	MAXIMUM	MINIMUM
A	44.5	—
B	—	43.5
C	—	4.3
E	0.5	—
F	3.8	—
G	—	0.8
Ø	10.5	9.8

<b>NAME:</b>	LR03 / S / AAA / AM4 / MICRO / MN2400 / 24A / 24AC
<b>MADE IN:</b>	Belgium
<b>TYPE:</b>	Alkaline Foil
<b>NOMINAL VOLTAGE:</b>	1.5 Volt
<b>ELECTROLYTE:</b>	Potassium Hydroxide
<b>AVERAGE WEIGHT:</b>	11g
<b>STORAGE TEMP. RANGE:</b>	+10°C (50°F) ~ +25°C (77°F)
<b>OPERATING TEMP. RANGE:</b>	-20°C (-4°F) ~ +55°C (131°F)
<b>AVERAGE IMPEDANCE:</b>	+/- 150mΩ @ 1kHz fresh
<b>HEAVY METALS:</b>	No added mercury (Hg), Cadmium (Cd) or Lead (Pb)
<b>COMPLIANT TO:</b>	IEC 60086-1, IEC 60086-2, IEC 60086-5 Non dangerous goods regulation EU directive 2006/66/EC

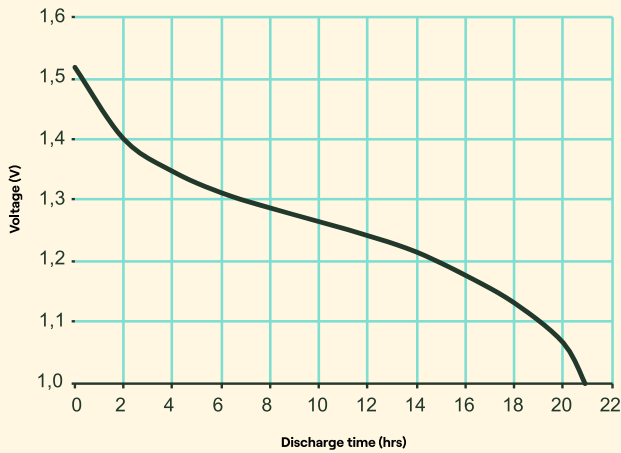
**RECOMMENDED CUT OFF VOLTAGE:** 0.8V per cell (0.9V per cell for multi series usage)



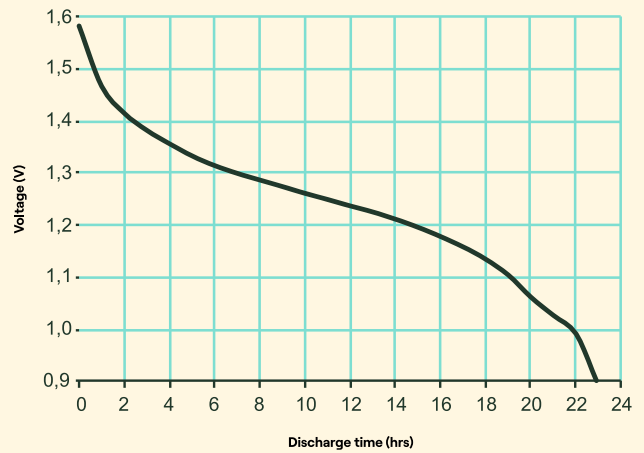
# Typical Discharge Values

## LR03BBCO

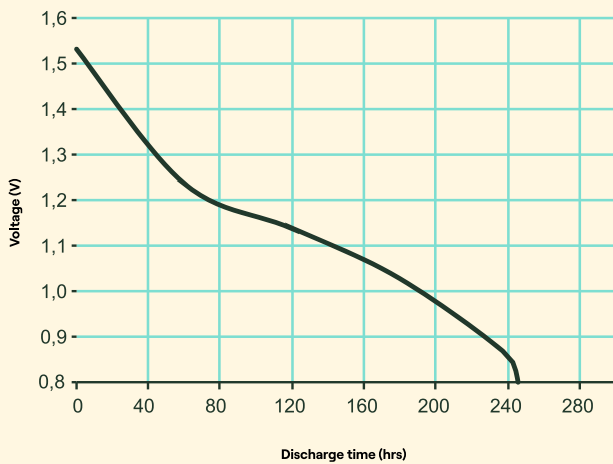
**Remote control**  
15s/m 8h/d 24Ω cutoff 1.0V



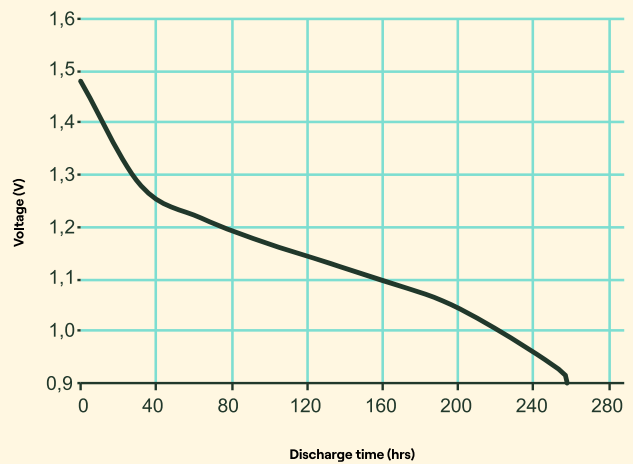
**Digital audio**  
1h/12h 50mA cutoff 0.9V



**Toy**  
15h/d 5.1Ω cutoff 0.8V

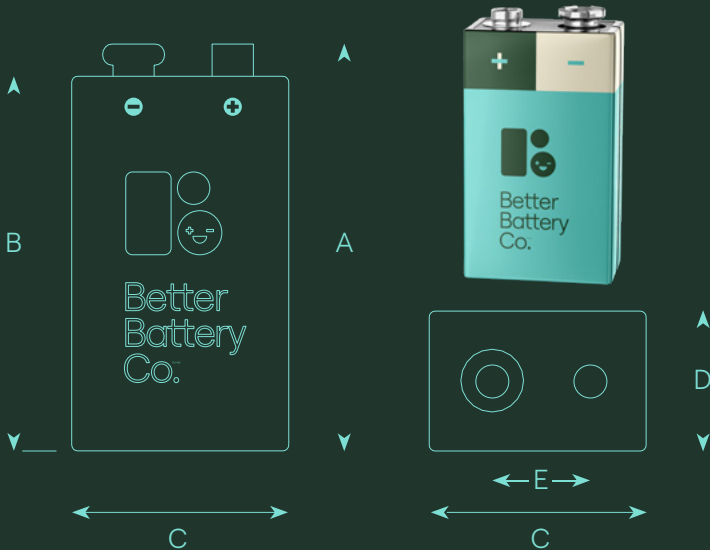


**Portable lighting**  
4m/h 8h/d 5.1Ω cutoff 0.9V



# 9V Alkaline

## 6LR61BBCO



## IEC Dimensions (mm)

DIMENSION	MAXIMUM	MINIMUM
A	48.5	46.5
B	46.4	—
C	26.5	24.5
D	17.5	15.5
E	12.95	12.45

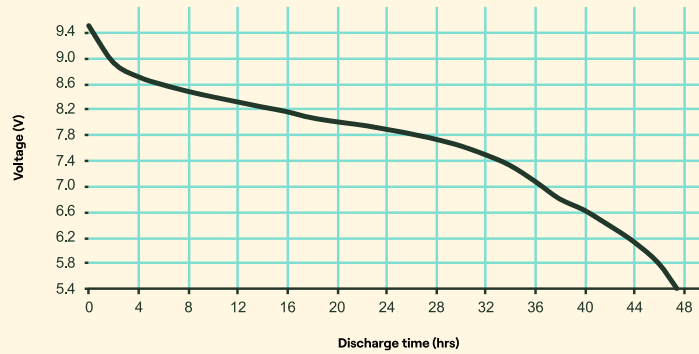
<b>NAME:</b>	9V / 6LR61 / 6AM6 / MN1604 / 1604A / 1604AC
<b>MADE IN:</b>	Belgium
<b>TYPE:</b>	Alkaline Foil
<b>NOMINAL VOLTAGE:</b>	9 Volt
<b>ELECTROLYTE:</b>	Potassium Hydroxide
<b>AVERAGE WEIGHT:</b>	43g
<b>STORAGE TEMP. RANGE:</b>	+10°C (50°F) ~ +25°C (77°F)
<b>OPERATING TEMP. RANGE:</b>	-20°C (-4°F) ~ +55°C (131°F)
<b>AVERAGE IMPEDANCE:</b>	+/- 2.3Ω @ 1kHz Fresh
<b>HEAVY METALS:</b>	No added mercury (Hg), Cadmium (Cd) or Lead (Pb)
<b>COMPLIANT TO:</b>	IEC 60086-1, IEC 60086-2, IEC 60086-5 Non dangerous goods regulation EU directive 2006/66/EC
<b>RECOMMENDED CUT OFF VOLTAGE:</b>	5.4V per battery



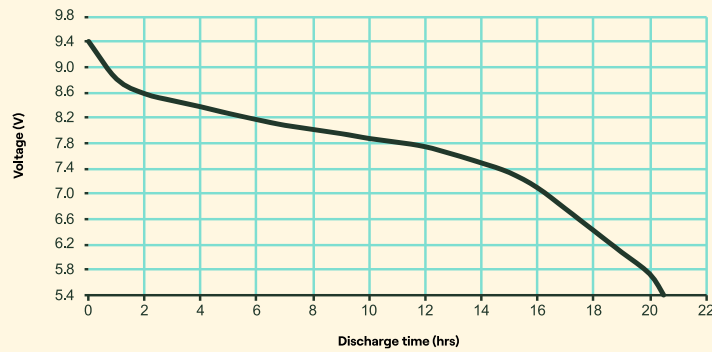
# Typical Discharge Values

## 6LR61BBCO

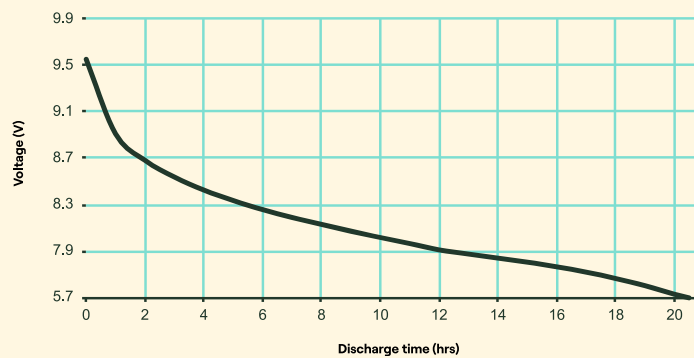
**Clock radio**  
2h/d 620Ω cutoff 5.4V



**Toy**  
1h/d 270Ω cutoff 5.4V



**Smoke detector**  
10kΩ 24h/d 620Ω + 1s/h cutoff 7.5V

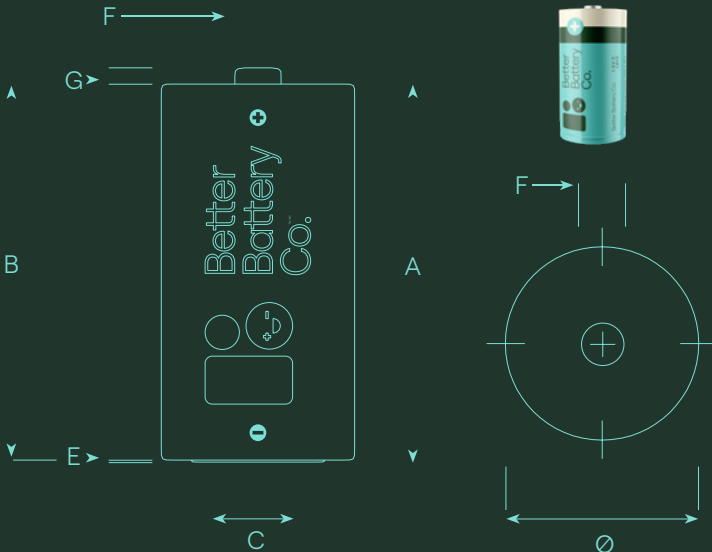






# C Alkaline

## LR14BBCO



## IEC Dimensions (mm)

DIMENSION	MAXIMUM	MINIMUM
A	50.0	—
B	—	48.6
C	—	13.0
E	0.9	—
F	7.5	—
G	—	1.5
Ø	26.2	24.9

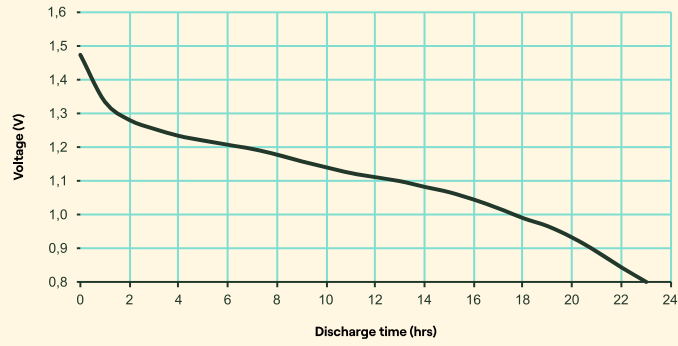
<b>NAME:</b>	LR14 / L / C / AM2 / BABY / MN1400 / 14A / 14AC
<b>MADE IN:</b>	Belgium
<b>TYPE:</b>	Alkaline Foil
<b>NOMINAL VOLTAGE:</b>	1.5 Volt
<b>ELECTROLYTE:</b>	Potassium Hydroxide
<b>AVERAGE WEIGHT:</b>	67g
<b>STORAGE TEMP. RANGE:</b>	+10°C (50°F) ~ +25°C (77°F)
<b>OPERATING TEMP. RANGE:</b>	-20°C (-4°F) ~ +55°C (131°F)
<b>AVERAGE IMPEDANCE:</b>	+/- 100Ω @ 1kHz Fresh
<b>HEAVY METALS:</b>	No added mercury (Hg), Cadmium (Cd) or Lead (Pb)
<b>COMPLIANT TO:</b>	IEC 60086-1, IEC 60086-2, IEC 60086-5 Non dangerous goods regulation EC directive 91/157EC & 98/101EC
<b>RECOMMENDED CUT OFF VOLTAGE:</b>	0.8V per cell (0.9V per cell for multi series usage)



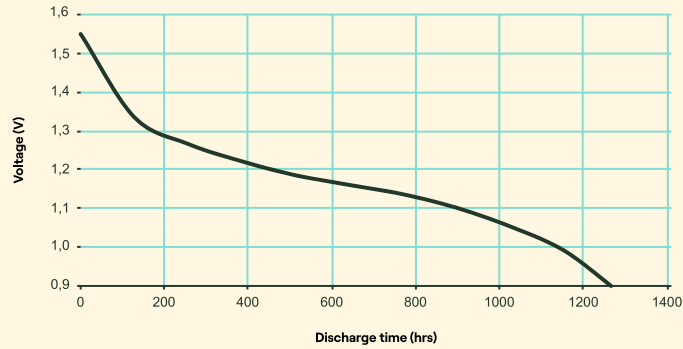
# Typical Discharge Values

## LR14BBCO

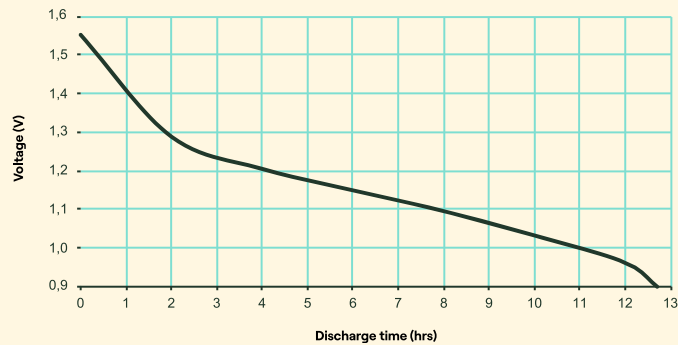
**Toy**  
1h/d 3.9Ω cutoff 0.8V



**Portable lighting**  
4m/15m 8h/d 3.9Ω cutoff 0.9V

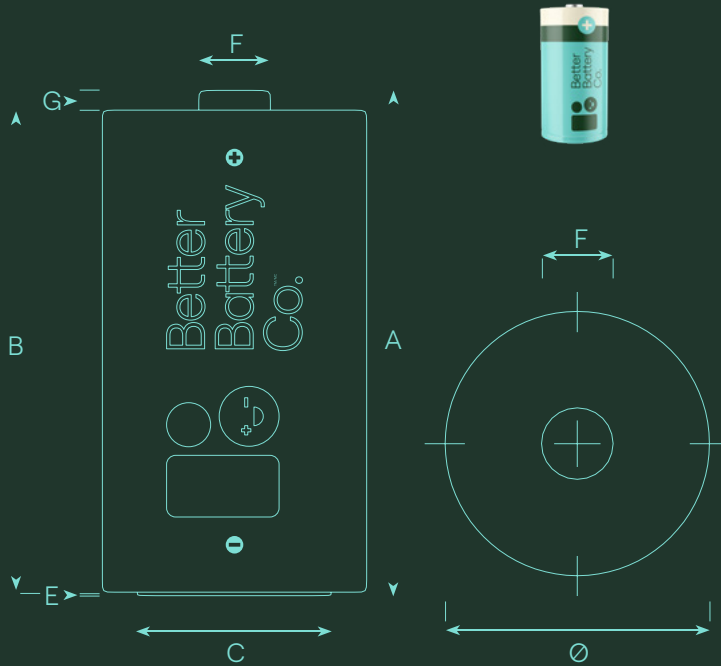


**Portable stereo**  
2h/d 400mA cutoff 0.9V



# D Alkaline

## LR20BBCO



## IEC Dimensions (mm)

DIMENSION	MAXIMUM	MINIMUM
A	61.5	—
B	—	59.5
C	—	18.0
E	1.0	—
F	9.5	—
G	—	1.5
Ø	34.2	32.3

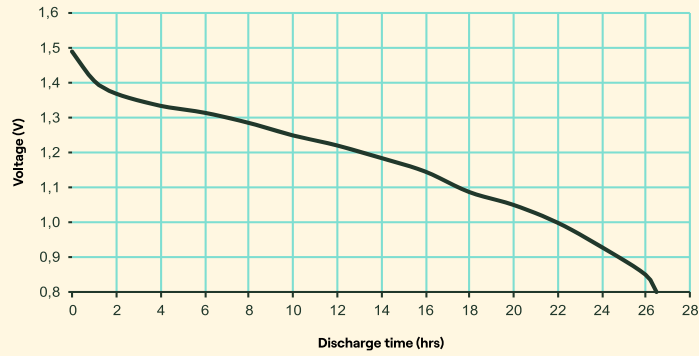
<b>NAME:</b>	LR20 / XL / D / AM1 / MONO / MN1300 / 13A / 13AC
<b>MADE IN:</b>	Belgium
<b>TYPE:</b>	Alkaline Foil
<b>NOMINAL VOLTAGE:</b>	1.5 Volt
<b>ELECTROLYTE:</b>	Potassium Hydroxide
<b>AVERAGE WEIGHT:</b>	140g
<b>STORAGE TEMP. RANGE:</b>	+10°C (50°F) ~ +25°C (77°F)
<b>OPERATING TEMP. RANGE:</b>	-20°C (-4°F) ~ +55°C (131°F)
<b>AVERAGE IMPEDANCE:</b>	+/- 90mΩ @ 1kHz Fresh
<b>HEAVY METALS:</b>	No added mercury (Hg), Cadmium (Cd) or Lead (Pb)
<b>COMPLIANT TO:</b>	IEC 60086-1, IEC 60086-2, IEC 60086-5 Non dangerous goods regulation EU directive 2006/66/EC
<b>RECOMMENDED CUT OFF VOLTAGE:</b>	0.8V per cell (0.9V per cell for multi series usage)



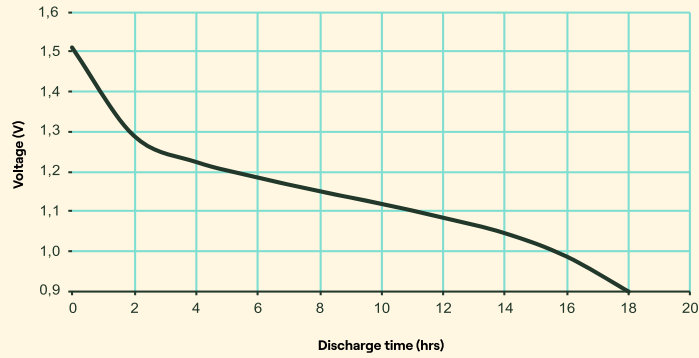
# Typical Discharge Values

## LR20BBCO

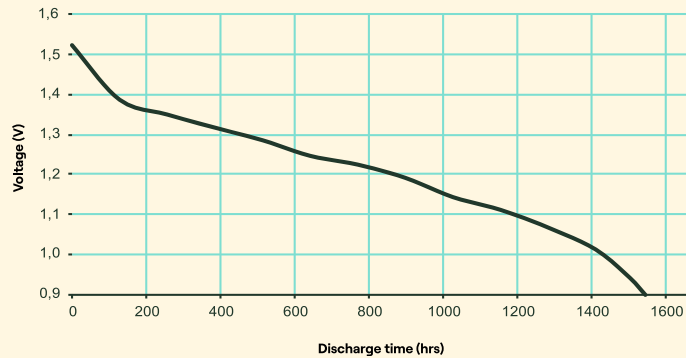
**Toy**  
1h/d 2.2Ω cutoff 0.8V



**Portable stereo**  
2h/d 600mA cutoff 0.9V

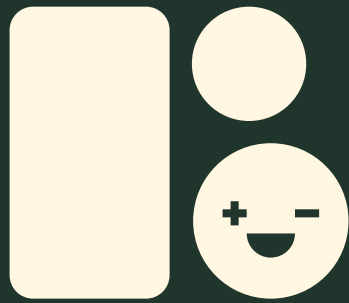


**Portable lighting**  
4m/15m 8h/d 2.2Ω cutoff 0.9V



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