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Not all the sizes in this chart can be found off-the-shelf. Tenergy offers just about any size possible. Just ask!

Batteries standardised by the IEC (International Electrotechnical Commission) have a clear, internationally valid designation. However, the use of this designation is voluntary, so it is unnecessarily appear on every primary battery. Nevertheless, the manufacturer's designation and the battery voltage are always printed on the battery housing.

Due to their popularity, many designations - although outdated - have been retained. The ANSI (American National Standards Institute) designations e.g. are no longer officially valid - nor are those from JIS (Japanese Industrial Standard). Former ANSI terminology is now used only for size designations. The original designation AA, for example, was formerly used for an R6 sized (Mignon) zinc-carbon battery, using natural manganese dioxide. Today "AA" is frequently used as a size designation, irrespective of the battery's electrochemical system.

The main numbers used for the most common NiMH and NiCad battery sizes are:

Cell Size	Diameter mm	Length mm	Weight Alkaline grams	Weight NiCad grams	Weight NiMH grams
AAAA	8.4	40.2	6	10	10
4/3 AAAA	8.4	67		12-13	13
1/4 AAA	10.5	14		2.5-3.5	2.5-4
1/3 AAA	10.5	16		5.5	5.5
1/2 AAA	10.5	22			7
2/3 AAA	10.5	30		6-8	8-9
AAA36	10.5	36			11
4/5 AAA	10.5	37			11
AAA38	10.5	38			11
3/4 AAA	10.5	39.5		12	12
AAA42	10.5	42			12
AAA	10.5	44.5	12	10	13
5/4 AAA	10.5	50		14	15
L-AAA	10.5	50		13	14
4/3 AAA	10.5	67		17	18
5/3 AAA	10.5	67		19	19
LL-AAA	10.5	67		17	18
3/2 AAA	10.5	67		19	20
6/4 AAA	10.5	67		20	20
7/5 AAA	10.5	66.5		15	15
		76		19	20-21
		80			23

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Cell type	Diameter	Length	Alkaline weight	NiCad weight	NiMH weight
1/3 AA	14.2	17.5		6.5	7
1/2 AA	14.2	30		12	15
2/3 AA	14.2	28.7		13-15	13-16
4/5 AA	14.2	43		20	22
AA	14.2	50	24	21	27
AA flat top	14.2	48	24	21	27
5/4 AA	14.2	64.5			29
L-AA	14.2	65		29	30
4/3 AA	14.2	65.2		30	30
7/5 AA	14.2	70		29	39
1/3 A	17	21			
1/2 A	17	25		17	21
2/3 A	17	28.5		18-20	20-23
4/5 A	17	43		26-31	32-35
A	17	50		32	40
4/3 A	17	67		50	55
L-A	17	67		48	53
7/5 A	17	70		44.8	56
Fat A	18	50		38	42
4/3 Fat A	18	67		56	60
L-Fat A	18	67		55	60
Cell Type	Diameter	Length	Alkaline Weight	NiCad Weight	NiMH Weight
1/2 SC	23	26		30	
2/3 SC	23	28		25	28
4/5 SC	23	34		38	42
SC (sub C)	23	43		52	55
RR	23	42.2		50	
5/4 Sub C	23	49.5		65-67	70
4/3 SC	23	50		60	66
L-SC	23	50		57	63
1/2 C	26	24		31	34
3/5 C	26	30		40	44
2/3 C	26	31		45	50
C	26	46	65	72	80
5/4 C	26	58		90	100
1/2 D	33	37		81-84	81
2/3 D	33	43.4		98-105	115
D	33	58	135	105-145	105-160
		89		140-190	175 g
		90.3		195-236	240 g

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	6/	1/2	998		
F3 Prismatic	5.6 x 16.5 x 22 mm				8 g
F4 Prismatic	5.6 x 16.5 x 31.5 mm				11 g
F5 Prismatic	5.6 x 16.5 x 35.5 mm				12 g
F6 Prismatic	5.6 x 16.5 x 48 mm				18 g
F8 Prismatic	5.6 x 16.5 x 66 mm				25 g

Diameter can vary as much as 1 mm between different manufacturers

Length can also vary, and also increase with a protruding end cap.

Weights listed are just the first thing we found in a catalog in that size. YOU CAN'T COMPARE WEIGHTS OF DIFFERENT CHEMISTRIES FROM THIS CHART. Weight of a cell depends on a lot of manufacturer - dependent things. The purpose of the weight column is to give a feel for how heavy a cell will be. Your results will vary. Batteries not included.

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