

The Great AA Battery Test Addendum by Gough Lui - January 2017

Test Conditions: BK Precision 8600 Electronic Load at Constant Current 25mA, Temperature 21°C, Battery Test Software - Sequence Test with CSV log.
 Prices are current retail or at time of purchase. Prices vary significantly depending on source and is only indicative. Yellow lines indicate "reference" results.



Notes: (1) Carbon-Zinc/Zinc-Chloride Battery, (2) Ni-MH Rechargeable Battery

Nr.	Brand	Part Number	UPC/EAN	Supplier	Cat Nr.	\$	pcs	\$/cell	Batch	Expiry	Made in	CP 0.48W (n=4)			CC 25mA (n=1)			Ratio (%)		NB		
												mAhm	mWhm	Vmm	mAh	mWh	Vm	mAh	mWh			
1	Wincell Super Heavy Duty	5103	9326287005103	Variety Shop	N/A	1.80	10	0.180	N/A	0518	China	279.4	288.5	1.033	804.5	1043.2	1.297	288.0	361.5	1		
2	Pairdeer Super Alkaline	7151B-4B	6911334344415	eBay	N/A	3.98	8	0.498	N/A	10-2017	China	1168.6	1272.4	1.089	2723.5	3394.4	1.246	233.1	266.8			
3	Daiso & S Alkaline Battery No. 13	KW-14P-80 T097	4549131069549	Daiso Japan	N/A	2.80	6	0.467	N/A	10-2019	China	1254.3	1420.4	1.133	2862.4	3631.4	1.269	228.2	255.7			
4	Performer Ultra	41-999-158	9341102301703	K-Mart	N/A	7.50	18	0.417	29/16	08-2021	China	1341.4	1493.9	1.114	2910.4	3636.6	1.250	217.0	243.4			
5	Eunicell	N/A	6957046511745	eBay	N/A	4.95	12	0.413	N/A	12-2019	Unknown	1479.7	1616.7	1.093	2411.4	3075.0	1.275	163.0	190.2			
6	IKEA Alkalisk (2016)	AA-296995-4	502.405.02	IKEA	18862	3.99	10	0.399	1626 PD2016-02-27	2021-06-27	China	1478.4	1638.8	1.109	3022.0	3747.5	1.240	204.4	228.7			
7	Industrial by Duracell	97311999	5000394079779	element14	2433045	12.01	10	1.201	614086340J	2022	Belgium	1501.8	1690.3	1.126	3140.9	3930.8	1.251	209.1	232.5			
8	Winmax Extra Alkaline	5516	9326287005516	eBay	N/A	5.99	10	0.599	N/A	01-2021	China	1512.5	1698.4	1.123	2930.6	3630.8	1.239	193.8	213.8			
9	Sanyo eneloop Colours 2000mAh	HR-3UTGB8UTM	4994334291264	eBay	N/A	31.04	8	3.880	2013-04 13-040H	N/A	Japan	1760.6	2112.9	1.200	1881.2	2389.0	1.270	106.8	113.1	2		
												Mean	1390.9	1547.3	1.112	2857.3	3578.1	1.253	206.9	233.0		
												Std Dev	137.3	158.7	0.017	235.4	273.5	0.014	23.6	25.8		
												S.D. (%)	9.9	10.3		8.2	7.6					
												Range	343.9	426.1	0.044	729.5	855.8	0.036	70.1	76.6		
												Range (%)	24.7	27.5		25.5	23.9					