

GP Batteries

Product Portfolio



Primary Batteries

+ Flashlights

GP Ultra Alkaline

STANDARD PACKS



15AU-U2 AA 1.5V



15AU-U4 AA 1.5V



24AU-U2 AAA 1.5V



24AU-U4 AAA 1.5V

MULTI-PACKS



15AU-U8 AA 1.5V



24AU-U8 AAA 1.5V



1604AU-U2 9V



13AU-U2 D 1.5V



14AU-U2 C 1.5V



1604AU-U1 9V



13AU-S4 D 1.5V



14AU-S4 C 1.5V



908AU-S1 6V



15AU-S12 AA 1.5V



15AU-S16 AA 1.5V



24AU-S12 AAA 1.5V

GP Super Alkaline

STANDARD PACKS

MULTI-PACKS



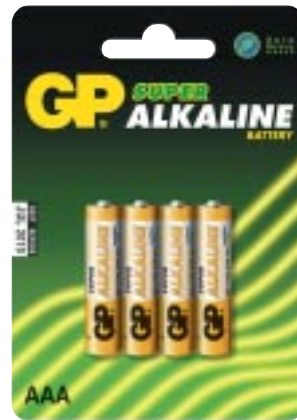
15A-U2 AA 1.5V



15A-U4 AA 1.5V



24A-U2 AAA 1.5V



24A-U4 AAA 1.5V



15A-U8 AA 1.5V



24A-U8 AAA 1.5V



1604A-U2 9V



25A-U2 AAAA 1.5V



1604A-U1 9V



13A-U2 D 1.5V



14A-U2 C 1.5V



13A-S4 D 1.5V



14A-S4 C 1.5V



910A-U2 N 1.5V



312A-U1 4.5V



1412AP-U1 J 6V



908A-S1 6V



15A-S12 AA 1.5V



15A-S16 AA 1.5V



24A-S12 AAA 1.5V

GP Digi1

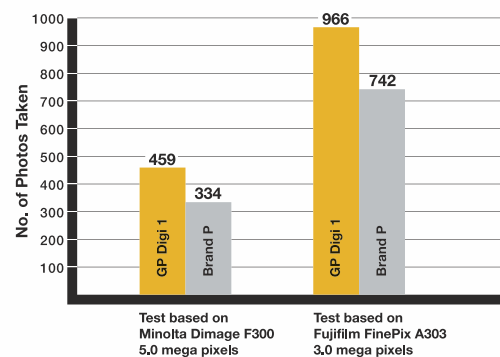
Newly formulated GP Digi1 Battery is the result of the latest breakthrough in primary battery technology.

Nickel Zinc

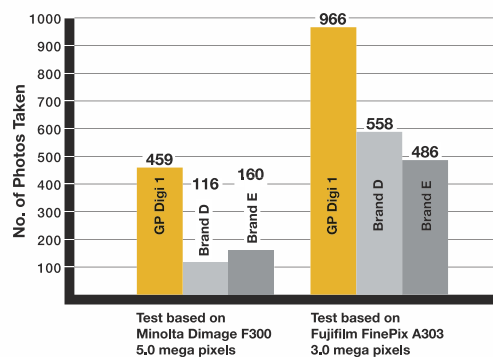
Longer lasting! Better performance! More staying power!
Ideal for digital cameras.

Designed to get the best from digital cameras and other high drain mobile tools and toys, the powerful GP Digi1 Battery has higher energy density, gives longer running hours at a stable operating voltage and ensures excellent high drain performance. Test results prove that GP Digi1 lets you take up to 3 times more photos than alkaline battery. For those who aim for higher performance, GP Digi1 is the choice.

**GP Digi 1 Nickel Zinc vs Competitors
(Digital Camera Performance Comparison)**

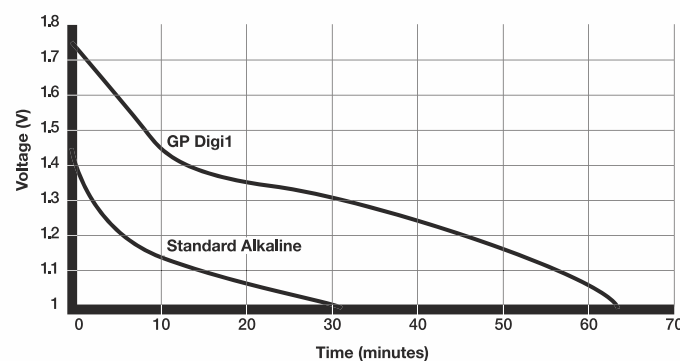


**GP Digi 1 vs Premium Alkaline Batteries
(Digital Camera Performance Comparison)**



Result based on tests conducted by TÜV Product Service in April 2003

**Discharge characteristics
(ANSI standard - 1000 mA continuous discharge to 1V)**



Result based on GP internal tests

Major Applications

Digital cameras,
Mobile tools, Motor toys,
High drain appliances.

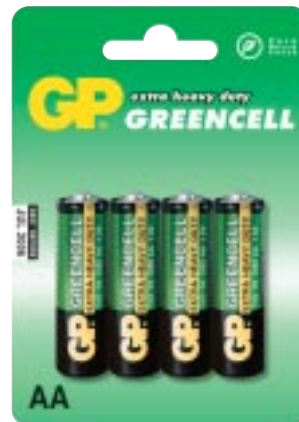


MAJOR FEATURES

- * Ultra high energy density
- * Stable operating voltage
- * Excellent high drain performance
- * Longer operating time at low temperature
- * Superior shelf life
- * Environmentally friendly
- * Great savings

GP[®] Greencell

STANDARD PACKS



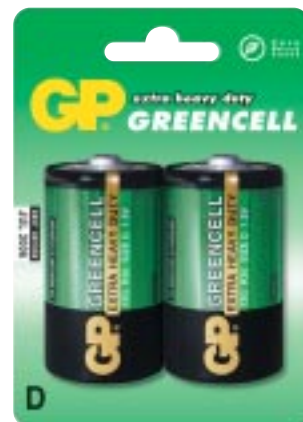
15G-U4 AA 1.5V



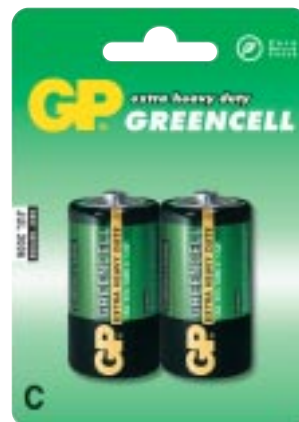
24G-U2 AAA 1.5V



24G-U4 AAA 1.5V



13G-U2 D 1.5V



14G-U2 C 1.5V



1604G-U1 9V



312G-U1 4.5V



908G-S1 6V



918G-S1 6V

MULTI-PACKS



15G-S12 AA 1.5V



15G-S24 AA 1.5V

GP Supercell

STANDARD PACKS



15S-S4 AA 1.5V



24S-S2 AAA 1.5V



1604S-S1 9V

GP Powercell

STANDARD PACKS



15E-S4 AA 1.5V



24E-S2 AAA 1.5V



13S-S2 D 1.5V



14S-S2 C 1.5V



210S-S1 3V



13E-S2 D 1.5V



14E-S2 C 1.5V



1604E-S1 9V



1603S-S1 9V



312S-S1 4.5V



908S-S1 6V



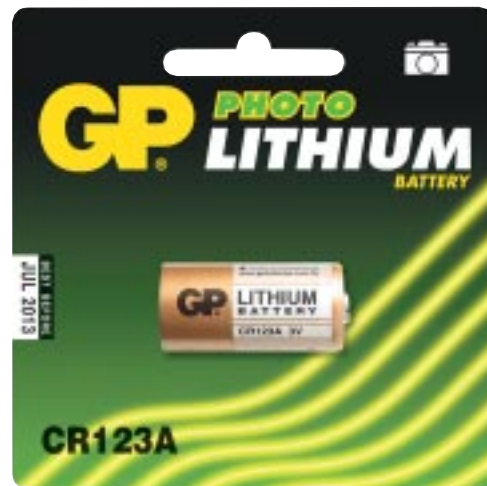
918S-S1 6V



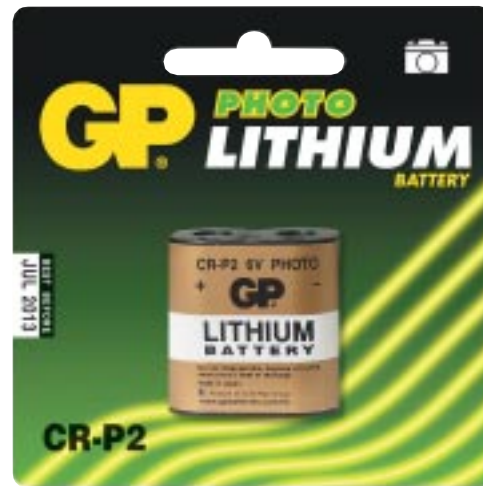
GP PHOTO LITHIUM

Major Applications
Computer memory back up,
photos, remote controls
and watches

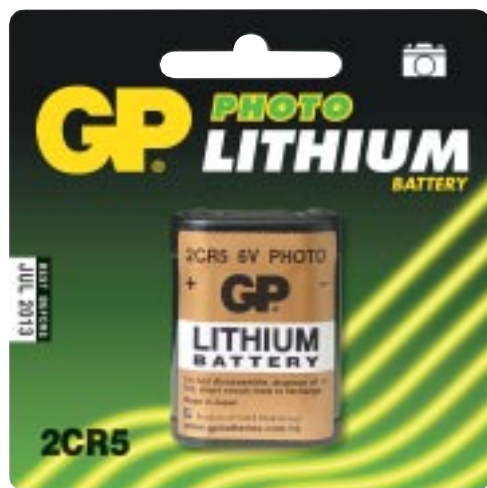
LITHIUM



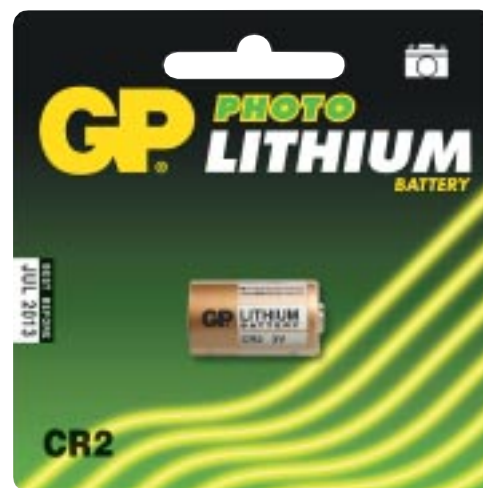
CR123A-C1 3V



CR-P2-C1 6V



2CR5-C1 6V



CR2-C1 3V



CR1220-C1 3V



CR1220-C5 3V



CR1616-C1 3V



CR1616-C5 3V



CR2016-C1 3V



CR2016-C5 3V



CR2025-C1 3V



CR2025-C5 3V



CR2032-C1 3V



CR2032-C5 3V



CR2430-C1 3V



CR2430-C5 3V

GP

Remote Control

ALKALINE / LITHIUM

GP

High Voltage

ALKALINE / SILVER OXIDE

Major Applications

Electronic toys,
electronic instruments, lighters,
photos and remote controls



3V

GP REMOTE CONTROL BATTERY

CR1220

CR1220-F1 3V

3V

GP REMOTE CONTROL BATTERY

CR1616

CR1616-F1 3V

3V

GP REMOTE CONTROL BATTERY

CR2016

CR2016-F1 3V

3V

GP REMOTE CONTROL BATTERY

CR2025

CR2025-F1 3V

3V

GP REMOTE CONTROL BATTERY

CR2032

CR2032-F1 3V

3V

GP REMOTE CONTROL BATTERY

CR2430

CR2430-F1 3V

6V

GP REMOTE CONTROL BATTERY

11A

11A-F1 6V

ISO9002 12V

GP Ultra High Voltage Alkaline Battery

23AE

23AE-F1 12V

12V

GP REMOTE CONTROL BATTERY

27A

27A-F1 12V

9V

GP REMOTE CONTROL BATTERY

29A

29A-F1 9V

1.5V

GP REMOTE CONTROL BATTERY

A76

A76-F1 1.5V

1.5V

GP REMOTE CONTROL BATTERY

PX625A

PX625A-F1 1.5V

ISO9002 12V

GP Ultra High Voltage Alkaline Battery

23AE

23AE-C1 12V

ISO9002 12V

GP Ultra High Voltage Alkaline Battery

23AE

23AE-C5 12V

ISO 9001 12V

GP HIGH VOLTAGE BATTERY

27A

27A-C1 12V

ISO 9001 12V

GP HIGH VOLTAGE BATTERY

27A

27A-C5 12V

ISO 9001 6V

GP HIGH VOLTAGE BATTERY

476A

476A-C1 6V

Other available models

Model No.	Packing Type	
10A	C1	1pc/card
	C5	5pcs/card
11A	C1	1pc/card
	C5	5pcs/card
26A	C1	1pc/card
	C5	5pcs/card
29A	C1	1pc/card
	C5	5pcs/card
476*	bulk	

* High voltage silver oxide



GP Watch & Electronics

SILVER OXIDE

GP Hearing Aid

ZINC AIR

Major Applications

Calculators, electronic toys,
hearing aids, lighters,
photos and watches.



Other available models

Model No.	Packing Type		Model No.	Packing Type	
301	A1	1pc/capsule	377	A1	1pc/capsule
303			379		
315			S76E		
317			381		
319			384		
321			386		
329			389		
337			390		
348			391		
357			392		
362			393		
364			394		
366			395		
370			396		
371			397		
373			399		
	C1	1pc/card		C1	1pc/card
	C5	5pcs/card		C5	5pcs/card



ALKALINE

Other available models

Model No.	Packing Type	
164	C5	5pcs/card
	C10	10pcs/card
186	C1	1pc/card
	C5	5pcs/card
	C10	10pcs/card
189	C1	1pc/card
	C5	5pcs/card
	C10	10pcs/card
191	C5	5pcs/card
	C10	10pcs/card
192	C5	5pcs/card
	C10	10pcs/card
PX625A	C1	1pc/card
A76P	bulk	



Major Applications

Hearing aids and
photographic equipments.



GP[®] Flashlights

DISCOVERY

DISCOVERY



L001-C1



L002-G1



L003-G1



L004-G1



L100 / G4-C1 4 x 13G



L100 - G1

SEARCHER



L001 / G2-C1 2 x 15G



L002 / G2-C1 2 x 14G



L003 / G2-C1 2 x 13G



L004 / G3-C1 3 x 13G



L031-Q1



L032-Q1



L033-Q1

KRYPTON BULB



KPR102-C1 2.4V
for L001 / L002 / L003 /
L031 / L032



KPR103-C1 3.6V
for L004



KPR113-C1 4.8V
for L033 / L100



L031 / G-C2 2 x 15G



L032 / G-C2 2 x 13G



L033 / G-C4 4 x 15G

Specifications

CYLINDRICAL TYPE



Ultra Alkaline

Model No.	Dimension (mm)		Voltage (V)	Cross Reference			
	Diameter	Height		IEC	JIS	Energizer	Other
13AU	34.2	61.5	1.5	LR20	LR20	X95	D
14AU	26.2	50.0	1.5	LR14	LR14	X93	C
15AU	14.5	50.5	1.5	LR6	LR6	X91	AA
24AU	10.5	44.5	1.5	LR03	LR03	X92	AAA
908AU	66.0(L) x 66.0(W) x 111.0(H)		6.0	4LR25	4LR25X	529	–
1604AU	25.5(L) x 16.5(W) x 47.5(H)		9.0	6LR61	6LR61	X22	–

Super Alkaline

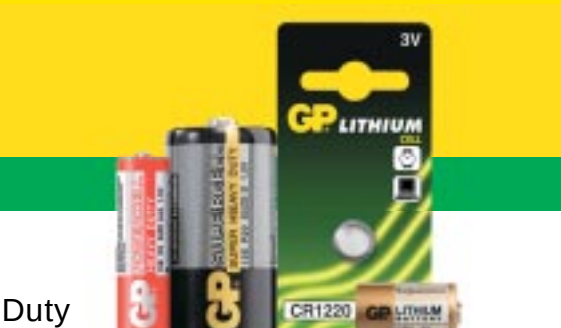
Model No.	Dimension (mm)		Voltage (V)	Cross Reference			
	Diameter	Height		IEC	JIS	Energizer	Other
13A	34.2	61.5	1.5	LR20	LR20	E95	D
14A	26.2	50.0	1.5	LR14	LR14	E93	C
15A	14.5	50.5	1.5	LR6	LR6	E91	AA
24A	10.5	44.5	1.5	LR03	LR03	E92	AAA
25A	8.3	42.5	1.5	LR8D425	–	E96	AAAA
312A	62.0(L) x 22.0(W) x 67.0(H)		4.5	3LR12	–	–	–
908A	66.0(L) x 66.0(W) x 111.0(H)		6.0	4LR25	4LR25X	529	–
910A	12.0	30.2	1.5	LR1	LR1	E90	N
1604A	25.5(L) x 16.5(W) x 47.5(H)		9.0	6LR61	6LR61	522	–
1412AP	35.5(L) x 9.2(W) x 48.4(H)		6.0	4LR61	4LR61	539	J

Digi 1 Nickel Zinc

Model No.	Dimension (mm)		Voltage (V)	Cross Reference			
	Diameter	Height		IEC	JIS	Eveready	Other
15NZ	14.5	50.5	1.5	–	–	–	AA

Greencell zinc chloride

Model No.	Dimension (mm)		Voltage (V)	Cross Reference			
	Diameter	Height		IEC	JIS	Eveready	Other
13G	34.2	61.5	1.5	R20P	R20P	1250	D
14G	26.2	50.0	1.5	R14P	R14P	1235	C
15G	13.9	50.0	1.5	R6P	R6P	1215	AA
24G	10.5	44.5	1.5	R03	R03	1212	AAA
312G	62.0(L) x 22.0(W) x 67.0(H)		4.5	3R12	3R12	–	–
908G	66.0(L) x 66.0(W) x 111.0(H)		6.0	4R25	4R25	1209	–
918G	134.0(L) x 70.0(W) x 127.0(H)		6.0	4R25-2	4R25-2	–	–
1604G	26.5(L) x 17.5(W) x 48.5(H)		9.0	6F22	6F22	1222	–



Supercell Carbon Zinc / Super Heavy Duty

Model No.	Dimension (mm)		Voltage (V)	Cross Reference			
	Diameter	Height		IEC	JIS	Eveready	Other
13S	32.7	61.0	1.5	R20C	R20C	1050	D
14S	26.2	50.0	1.5	R14C	R14C	1035	C
15S	13.9	50.0	1.5	R6C	R6C	1015	AA
24S	10.5	44.5	1.5	R03	R03	912	AAA
210S	21.8	74.6	3.0	2R10	2R10	–	–
312S	62.0(L) x 22.0(W) x 67.0(H)		4.5	3R12	3R12	1289/AD28	210
908S	66.0(L) x 66.0(W) x 111.0(H)		6.0	4R25	4R25X	509	–
918S	134.0(L) x 70.0(W) x 127.0(H)		6.0	4R25-2	4R25-2	918	–
1603S	66.0(L) x 52.0(W) x 81.0(H)		9.0	6F100	6F100	276	S306
1604S	26.5(L) x 17.5(W) x 48.5(H)		9.0	6F22	6F22	1222	–

Powercell Carbon Zinc / Heavy Duty

Model No.	Dimension (mm)		Voltage (V)	Cross Reference			
	Diameter	Height		IEC	JIS	Eveready	Other
13E	34.2	61.5	1.5	R20S	R20S	950	D
14E	26.2	50.0	1.5	R14S	R14S	935	C
15E	13.9	50.0	1.5	R6S	R6S	915	AA
24E	10.5	44.5	1.5	R03	R03	–	AAA
1604E	26.5(L) x 17.5(W) x48.5(H)		9.0	6F22	6F22	–	–

Photo Lithium

Model No.	Dimension (mm)		Voltage (V)	Cross Reference			
	Diameter	Height		IEC	JIS	Eveready	Duracell
CR123A	16.8	34.5	3.0	CR17345	CR123A	123	DL123A
CR-P2	35.0(L) x 19.5(W) x 36.0(H)		6.0	CR-P2	CR-P2	223	DL223A
2CR5	34.0(L) x 17.0(W) x 45.0(H)		6.0	2CR5	2CR5	2CR5	DL245
CR2	15.6	27.0	3.0	–	–	1CR2	DLCR2

Lithium cell

Model No.	Dimension (mm)		Voltage (V)	Nominal Capacity (mAh)	Cross Reference			
	Diameter	Height			IEC /JIS	Eveready	Varta	Duracell
CR1/3N	11.6	10.8	3.0	160	CR11108	2L76	CR1/3N	DL1/3N
CR1025	10.0	2.5	3.0	30	CR1025	CR1025	–	DL1025
CR1216	12.5	1.6	3.0	25	CR1216	CR1216	CR1216	DL1216
CR1220	12.5	2.0	3.0	36	CR1220	CR1220	CR1220	DL1220
CR1616	16.0	1.6	3.0	55	CR1616	CR1616	CR1616	DL1616
CR1620	16.0	2.0	3.0	78	CR1620	CR1620	CR1620	DL1620
CR2016	20.0	1.6	3.0	80	CR2016	CR2016	CR2016	DL2016
CR2025	20.0	2.5	3.0	150	CR2025	CR2025	CR2025	DL2025
CR2032	20.0	3.2	3.0	210	CR2032	CR2032	CR2032	DL2032
CR2430	24.5	3.0	3.0	270	CR2430	CR2430	CR2430	DL2430
CR2450	24.5	5.0	3.0	610	CR2450	CR2450	CR2450	DL2450

Specifications

BUTTON TYPE



Silver Oxide

Model No.	Dimension (mm)		Voltage (V)	Nominal Capacity (mAh)	Cross Reference				
	Diameter	Height			IEC/JIS	Eveready	Varta	Duracell	Sony
301	11.6	4.2	1.55	120	SR43	301	V301	D301	SR43SW
303	11.6	5.6	1.55	165	SR44	303	V303	D303	SR44SW
315	7.9	1.65	1.55	21	SR67	315	–	D315	SR716SW
317	5.8	1.65	1.55	11.5	SR62	317	V317	D317	SR516SW
319	5.8	2.7	1.55	20	SR64	319	–	D319	SR527SW
321	6.8	1.65	1.55	16	SR65	321	V321	D321	SR616SW
329	7.9	3.1	1.55	37	–	329	–	D329	SR731SW
337	4.8	1.65	1.55	7.5	–	337	–	–	SR416SW
348	4.8	2.15	1.55	12	–	–	–	–	SR421SW
357	11.6	5.4	1.55	165	SR44	357	V357	D357	SR44W
362	7.9	2.1	1.55	24	SR58	362	V362	D362	SR721SW
364	6.8	2.15	1.55	23	SR60	364	V364	D364	SR621SW
366	11.6	1.65	1.55	33	–	366	–	–	SR1116SW
370	9.5	2.1	1.55	44	SR69	370	V370	D370	SR920W
371	9.5	2.1	1.55	44	SR69	371	V371	D371	SR920SW
373	9.5	1.65	1.55	26	SR68	373	V373	–	SR916SW
S76E	11.6	5.4	1.55	130	SR44	–	V76PX	MS76	SR44W
377	6.8	2.6	1.55	25	SR66	377	V377	D377	SR626SW
379	5.8	2.15	1.55	14	SR63	379	V379	D379	SR521SW
381	11.6	2.1	1.55	40	SR55	381	V381	–	SR1120SW
384	7.9	3.6	1.55	42	SR41	384	V384	D384	SR41SW
386	11.6	4.2	1.55	120	SR43	386	V386	D386	SR43W
389	11.6	3.1	1.55	70	SR54	389	V389	D389	SR1130W
390	11.6	3.1	1.55	70	SR54	390	V390	D390	SR1130SW
391	11.6	2.1	1.55	40	SR55	391	V391	D391	SR1120W
392	7.9	3.6	1.55	42	SR41	392	V392	D392	SR41W
393	7.9	5.4	1.55	70	SR48	393	V393	D393	SR48W
394	9.5	3.6	1.55	60	–	394	V394	D394	SR936SW
395	9.5	2.7	1.55	55	SR57	395	V395	D395	SR927SW
396	7.9	2.65	1.55	30	SR59	396	V396	D396	SR726W
397	7.9	2.65	1.55	30	SR59	397	V397	D397	SR726SW
399	9.5	2.7	1.55	55	SR57	399	V399	D399	SR927W



Alkaline

Model No.	Dimension (mm)		Voltage (V)	Nominal Capacity (mAh)	Cross Reference				
	Diameter	Height			IEC	JIS	Eveready	Varta	Duracell
164	6.8	2.15	1.5	8	–	–	–	–	LR620
A76	11.6	5.4	1.5	110	LR44	LR44	A76	V13GA	PX76A
A76P	11.6	5.4	1.5	140	LR44	LR44	A76	V13GA	PX76A
186	11.6	4.2	1.5	70	LR43	LR43	186	V12GA	D186A
189	11.6	3.05	1.5	44	LR54	LR54	189	V10GA	D189A
191	11.6	2.05	1.5	24	LR55	LR55	191	V8GA	D191A
192	7.9	3.6	1.5	24	LR41	LR41	192	–	–
PX625A	15.6	5.95	1.5	190	LR9	LR9	–	V625U	PX625A

High Voltage Alkaline

Model No.	Dimension (mm)		Voltage (V)	Nominal Capacity (mAh)	Cross Reference				
	Diameter	Height			IEC	JIS	Eveready	Varta	Duracell
10A	10	21.6	9.0	38	–	–	–	–	–
11A	10	16.0	6.0	38	–	–	–	–	MN11
23A	10	28.0	12.0	38	–	–	A23	V23GA	MN21
23AE	10	28.0	12.0	55	–	–	A23	V23GA	MN21
26A	7.7	15.3	6.0	18	–	–	–	–	–
27A	7.7	28.0	12.0	20	–	–	–	–	MN27
29A	7.7	21.4	9.0	18	–	–	–	–	–
476A	13.0	25.2	6.0	105	4LR44	4LR44	A544	V4034PX	PX28A

High Voltage silver Oxide

Model No.	Dimension (mm)		Voltage (V)	Nominal Capacity (mAh)	Cross Reference			
	Diameter	Height			IEC /JIS	Eveready	Varta	Duracell
476	13.0	25.2	6.0	165	4SR44	–	V28PX	PX28

Hearing Aid zinc Air

Model No.	Dimension (mm)		Voltage (V)	Nominal Capacity (mAh)	Cross Reference			
	Diameter	Height			IEC /JIS	Eveready	Varta	Duracell
ZA10	5.8	3.6	1.4	75	PR70	AC10	–	DA230
ZA13	7.9	5.4	1.4	230	PR48	AC13	V13A	DA13
ZA312	7.9	3.6	1.4	125	PR41	AC312	V312A	DA312
ZA675	11.6	5.4	1.4	620	PR44	AC675	V675HPA	DA675



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