



## Primary Batteries

# GP Batteries

## Power Solutions

Powerful and reliable, GP Batteries has remained at the forefront of battery manufacturing for over 40 years through sophisticated research and development, precise anticipation of consumer needs and close cooperation with retail partners.

As an expert in rechargeable technology and the leading consumer battery manufacturer in Asia outside Japan, GP Batteries produces batteries, Portable PowerBank and flashlights, which are ideal portable energy sources for a wide range of battery-powered devices, including portable electronics, wireless mouse and keyboard, toys and games, smoke detectors, flashlights, remote control, clocks, radios and more.

GP Batteries also makes a full range of miniature batteries for devices essential for improving the quality of life, such as hearing aids, medical devices, watches as well as calculators, electronic books, garage doors, keyless entry facilities and other small electronics.





High capacity, long service life, high drain performance and superior endurance make GP Batteries the best back-up for all battery powered devices. Produced and packaged in user-friendly format with multi-use adaptations, GP products ensure consumer acceptability.

**Alkaline**



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ULTRA PLUS ALKALINE



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ULTRA ALKALINE



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SUPER ALKALINE

**Carbon Zinc**



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SUPERCELL

**Lithium**



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HIGH VOLTAGE ALKALINE



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ALKALINE CELL



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ZINC AIR



## Ultra Plus Alkaline

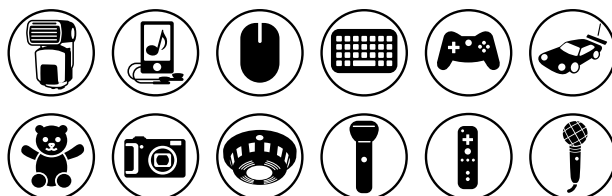
The popularity of portable electronic devices brings along the increased demand for long-lasting battery power. Ultra Plus Alkaline battery, made with advanced materials, is designed to provide reliable and long operating power for high drain devices. Ultra Plus Alkaline battery offers users seamless enjoyment with portable gadgets.

### Features

- ★ The No.1 GP Alkaline Battery
- ★ Longer lasting in power hungry devices
- ★ Up to 7 years shelf life
- ★ Complete line of AA, AAA, C, D and 9 Volt

### Major Applications

Photo flash, MP3, wireless mouse & keyboard, portable electronics, electronic games, remote-controlled cars and battery-operated toys



**Standard Packs**



15AUP-U2 AA 1.5V  
(AA 2's)



15AUP-U4 AA 1.5V  
(AA 4's)



15AUP-U8 AA 1.5V  
(AA 8's)



24AUP-U2 AAA 1.5V  
(AAA 2's)



24AUP-U4 AAA 1.5V  
(AAA 4's)



24AUP-U8 AAA 1.5V  
(AAA 8's)



13AUP-U2 D 1.5V  
(D 2's)



14AUP-U2 C 1.5V  
(C 2's)



1604AUP-U1 9V  
(9V 1's)



15AUP-U4 AA 1.5V  
(AA 4's x 10 cards)



24AUP-U4 AAA 1.5V  
(AAA 4's x 10 cards)



## Ultra Alkaline

Specially designed for ever-growing number of battery powered devices, Ultra Alkaline delivers reliable portable power. There's a better chance to score top marks with Ultra Alkaline batteries with their longer operating time and unmatched performance on power hungry devices. Win increased customer satisfaction by providing the right support for leisure time devices.

### Features

- ★ Longer operating time
- ★ Up to 7 years shelf life
- ★ Complete line of AA, AAA, C, D and 9 Volt
- ★ Blister packs, multi-packs and value packs are available

### Major Applications

MP3, photo flash, wireless mouse & keyboard, portable electronics, electronic games and battery-operated toys





**Standard Packs**



15AU-U2 AA 1.5V  
(AA 2's)



15AU-U4 AA 1.5V  
(AA 4's)



15AU-U8 AA 1.5V  
(AA 8's)



24AU-U2 AAA 1.5V  
(AAA 2's)



24AU-U4 AAA 1.5V  
(AAA 4's)



24AU-U8 AAA 1.5V  
(AAA 8's)



13AU-U2 D 1.5V  
(D 2's)



14AU-U2 C 1.5V  
(C 2's)



1604AU-U1 9V  
(9V 1's)



908AU-S1 6V  
(908AU 1's)



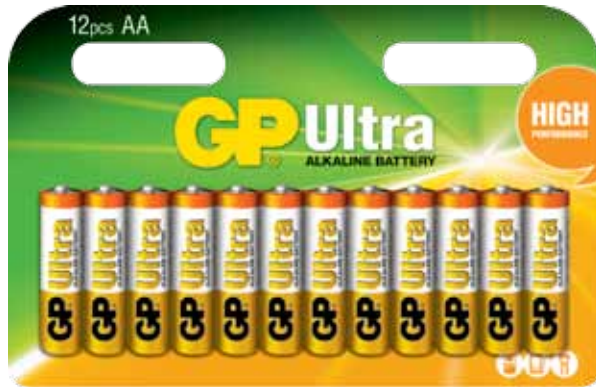
15AU-U4 AA 1.5V  
(AA 4's x 10 cards)



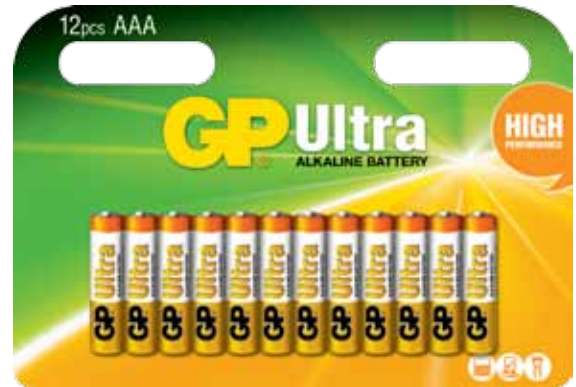
24AU-U4 AAA 1.5V  
(AAA 4's x 10 cards)

# GP Batteries

## Value Packs



15AU-UD12 AA 1.5V  
(AA 12's)



24AU-UD12 AAA 1.5V  
(AAA 12's)



15AU-P10 AA 1.5V  
(AA 10's)



24AU-P10 AAA 1.5V  
(AAA 10's)





15AU-VS12 AA 1.5V  
(AA 12's)



24AU-VS12 AAA 1.5V  
(AAA 12's)



13AU-VS4 D 1.5V  
(D 4's)



14AU-VS4 C 1.5V  
(C 4's)



15AU-DP40 AA 1.5V  
(AA 4's x 10 packs)



24AU-DP40 AAA 1.5V  
(AAA 4's x 10 packs)



15AU-SB4 AA 1.5V  
(AA 4's x 24 packs)



24AU-SB4 AAA 1.5V  
(AAA 4's x 24 packs)



## Super Alkaline

Super Alkaline is formulated to meet the increasing power demand of everyday devices for value conscious customers. Dependable performance builds customer loyalty through the dependable power of Super Alkaline batteries. With a long shelf life, this extensive product range offers a reliable product for a wide range of applications for consumers of all ages.

### Features

- ★ Long lasting
- ★ Dependable performance
- ★ Up to 7 years shelf life
- ★ Extensive range including AA, AAA, C, D and 9 Volt, N, J ... and so on
- ★ Blister packs, multi packs and value packs are available

### Major Applications

Walkie talkies, remote control, smoke alarms and flashlights



**Standard Packs**



15A-U2 AA 1.5V  
(AA 2's)



15A-U4 AA 1.5V  
(AAA 4's)



15A-U8 AA 1.5V  
(AA 8's)



24A-U2 AAA 1.5V  
(AAA 2's)



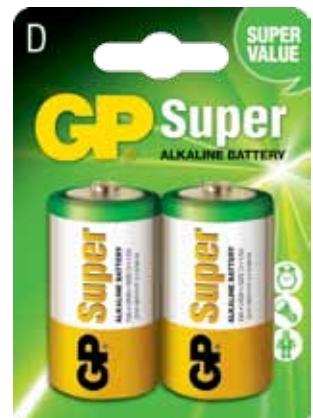
24A-U4 AAA 1.5V  
(AAA 4's)



24A-U8 AAA 1.5V  
(AAA 8's)



25A-U2 AAAA 1.5V  
(AAAA 2's)



13A-U2 D 1.5V  
(D 2's)



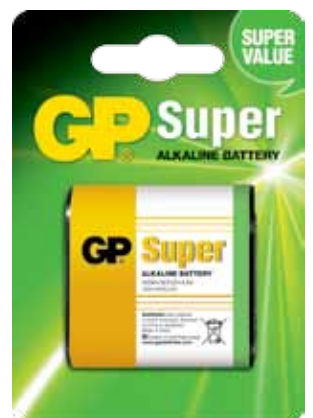
14A-U2 C 1.5V  
(C 2's)



1604A-U1 9V  
(9V 2's)



910A-U2 N 1.5V  
(N 2's)



312A-U1 4.5V  
(312A 1's)



# GP Batteries

## Standard Packs



1412AP-U1 J 6V  
(J 1's)



908A-S1 6V  
(908A 1's)



15A-U4 AA 1.5V  
(AA 4's x 10 cards)



24A-U4 AAA 1.5V  
(AAA 4's x 10 cards)

## Value Packs



15A-VS12 AA 1.5V  
(AA 12's)



24A-VS12 AAA 1.5V  
(AAA 12's)



13A-VS4 D 1.5V  
(D 4's)



14A-VS4 C 1.5V  
(C 4's)



15A-UD12 AA 1.5V  
(AA 12's)



24A-UD12 AAA 1.5V  
(AAA 12's)



15A-P10 AA 1.5V  
(AA 10's)



24A-P10 AAA 1.5V  
(AAA 10's)



15A-DP40 AA 1.5V  
(AA 4's x 10 packs)



24A-DP40 AAA 1.5V  
(AAA 4's x 10 packs)



15A-SB4 AA 1.5V  
(AA 4's x 24 packs)



24A-SB4 AAA 1.5V  
(AAA 4's x 24 packs)

# GP Batteries



## Greencell

Stay in tune with the times for domestic and day-to-day items by using value to performance Greencell batteries. They're dependable, and offer an economical, reliable power source for medium to low-drain applications such as self-standing or wall hanging timepieces. An ideal choice for price-conscious customers.

### Features

- ★ Dependable
- ★ Value to performance
- ★ Full range of AA, AAA, C, D, 9 Volt and so on
- ★ Blister packs, multi packs and value packs are available

### Major Applications

Alarm clocks, radios, remote controls, flashlights and smoke detectors



### Standard Packs



15G-U2 AA 1.5V  
(AA 2's)



15G-U4 AA 1.5V  
(AA 4's)



24G-U2 AAA 1.5V  
(AAA 2's)



24G-U4 AAA 1.5V  
(AAA 4's)



13G-U2 D 1.5V  
(D 2's)



14G-U2 C 1.5V  
(C 2's)



1604G-U1 9V  
(9V 1's)



312G-U1 4.5V  
(312G 1's)



908G-S1 6V  
(908G 1's)



15G-U4 AA 1.5V  
(AA 4's x 18 cards)



24G-U4 AAA 1.5V  
(AAA 4's x 18 cards)



**Value Packs**



15G-VS12 AA 1.5V  
(AA 12's)



15G-VS24 AA 1.5V  
(AA 24's)



24G-VS12 AAA 1.5V  
(AAA 12's)



24G-VS24 AAA 1.5V  
(AAA 24's)



13G-VS8 D 1.5V  
(D 8's)



14G-VS8 C 1.5V  
(C 8's)



1604G-VS4 9V  
(9V 4's)



15G-P10 AA 1.5V  
(AA 10's)



24G-P10 AAA 1.5V  
(AAA 10's)



15G-DP60 AA 1.5V  
(AA 4's x 15 packs)



24G-DP60 AAA 1.5V  
(AAA 4's x 15 packs)

# GP Batteries



## Supercell

Supercell is economical and suitable power sources for general battery operated devices and many small household appliances – including a variety of children’s toys. Ideally perfect to give good performance on moderate to low-drain devices. Dependable at very affordable prices and most welcomed by price-conscious consumers.

### Features

- ★ Good performance
- ★ Full range of AA, AAA, C, D, 9 Volt and so on

### Major Applications

Flashlights, toys, alarm clocks, radios and remote controls



### Standard Packs



15S-S4 AA 1.5V  
(AA 4's)



24S-S2 AAA 1.5V  
(AAA 2's)



15S-S4 AA 1.5V  
(AA 4's x 10 packs)



13S-S2 D 1.5V  
(D 2's)



14S-S2 C 1.5V  
(C 2's)



24S-S4 AAA 1.5V  
(AAA 4's x 10 packs)



1604S-S1 9V  
(9V 1's)



312S-S1 4.5V  
(312S 1's)



1603S-S1 9V  
(1603S 1's)



# Lithium AA

Lithium AA is the longest lasting AA size battery, it shows the best performance for all power hungry devices by providing the high power and long lasting energy. It is 40% lighter than alkaline battery and it can function well under extreme weather condition.

## Features

- ★ Best for power hungry / medical / professional devices
- ★ 40% lighter than Alkaline Battery
- ★ Performs well in extreme weather (-40°C to 60°C)
- ★ Built-in short-circuit safety protection
- ★ Long shelf life of 10 years

## Major Applications

Photo flash, digital camera, medical devices, electronic games, battery-operated toys, shavers, GPS devices



## Standard Packs

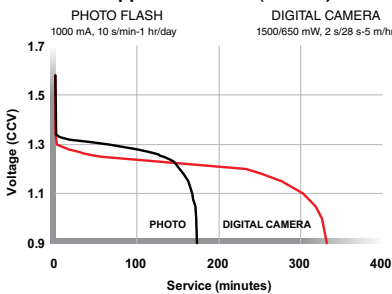


15LF-U2 1.5V

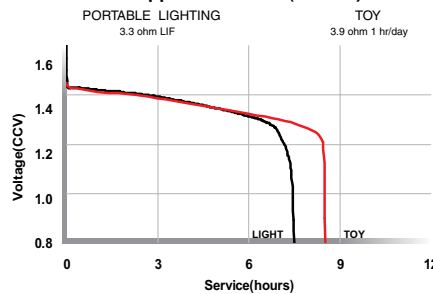


15LF-U4 1.5V

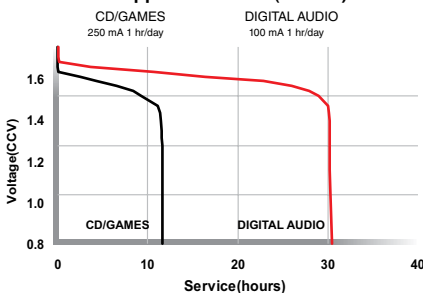
### Application Tests(23±2°C)



### Application Tests(23±2°C)



### Application Tests(23±2°C)





# GP Batteries



## Lithium 9V

GP Lithium 9V is the best choice of battery for smoke detectors. It provides 10-year shelf life, highest energy density, stable discharge voltage and wide operating temperature which outperforms any comparable 9V battery. It also lasts up to 5 times longer than ordinary alkaline 9V batteries making it the best consumer-replacement battery for 9-volt devices in home security, wireless mics, meters, and recreation applications etc.

### Features

- ★ Long shelf life of 10 years
- ★ Excellent high current discharge performance
- ★ 5 times longer lasting than alkaline batteries
- ★ Built-in safety mechanism
- ★ Environmentally friendlier
- ★ Wide operating temperature range of -40°C to +60°C and excellent discharge performance at extremely low temperature

### Major Applications

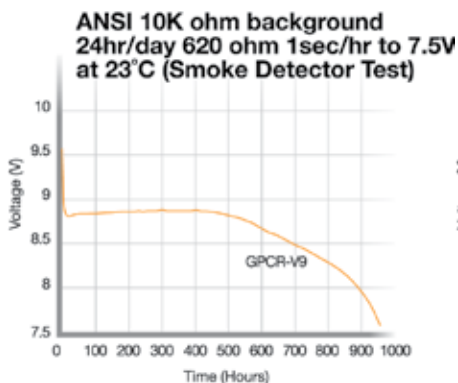
Smoke detectors, medical equipment, carbon monoxide alarms, explosion gas alarms, meters, wireless transmitters, stun guns, military applications, electronic toll collection system



### Standard Packs

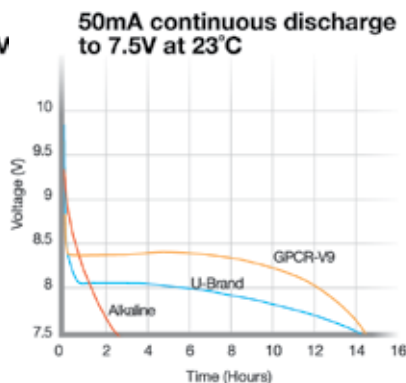


CR-V9SD-U1 9V



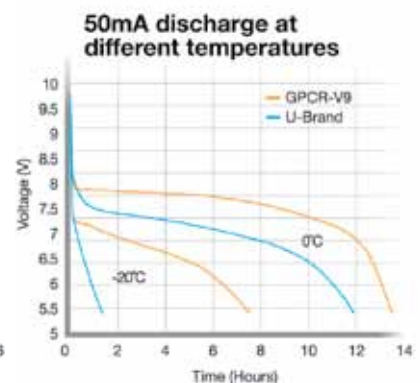
#### 10-year Service Life in Smoke Detectors

Voltage characteristics remain stable even for a long period of discharge, greatly improving the reliability of the ionisation-type smoke detector that uses GP Lithium 9V battery (GPCR-V9). Such smoke detector is also maintenance free (battery replacement is seldom required).



#### Lightweight, High Voltage and High Energy Density

GP Lithium 9V battery (GPCR-V9) lasts 5 times longer than Alkaline batteries.



#### Excellent Temperature Characteristics

GP Lithium 9V battery (GPCR-V9) outperforms competition by demonstrating much longer operating time and stable performance over a wide temperature range of -40°C to +60°C.



# Lithium Cylindrical

It's often the preferred power source used in the most sophisticated photographic and medical equipment. The batteries have a long shelf life of 10 years, making them the most intelligent answer to keep devices in top operating condition – primed and ready to go!

## Features

- ★ Excellent high current discharge performance
- ★ Built-in safety mechanism
- ★ Environmentally friendlier
- ★ Wide operating temperature range of -40°C to +60°C and excellent discharge performance at extremely low temperature
- ★ All sizes of CR123A, CR2, CR-P2 and 2CR5 are available

## Major Applications

Cameras, LED flashlights, memory back-up, medical equipment, meters, photo flash



## Standard Packs



CR2-U1 3V



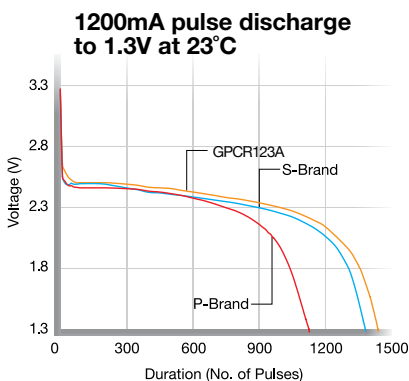
CR123A-U1 3V



CR-P2-U1 6V

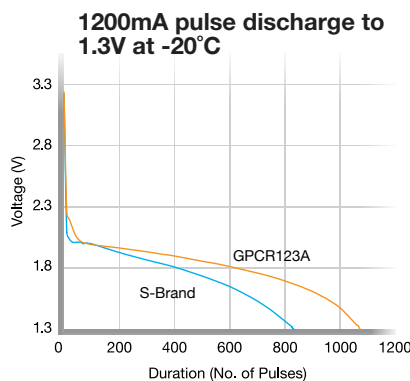


2CR5-U1 6V



### Excellent Pulse Discharge Performance at Room Temperature

GPCR123A shows superior high pulse discharge performance and longer duration than competitors.



### Outstanding Pulse Discharge Capability at -20°C

The outstanding high pulse discharge capability of GPCR123A remains strong at extremely low temperature.



## Lithium Coin For Electronic Device

Use the correct batteries for the right appliances. With a broad range of applications and a wide range of operating temperatures, Lithium Coin batteries are ideal for different kinds of cameras, watches, remote controls and other electronic devices. They are the perfect partner for computers and other sensitive devices with long shelf life of 10 years.

### Features

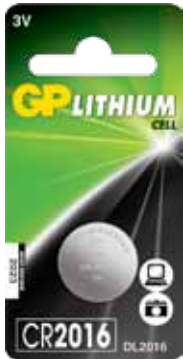
- ★ High energy density
- ★ Wide range of operating temperatures, from -10°C to +60°C
- ★ Flat discharge curve
- ★ Long shelf life of 10 years
- ★ Environmentally friendlier
- ★ Broad range of sizes and models

### Major Applications

Computer memory back-up, camera, remote controls, calculators and thermometers.



### Standard Packs



CR2016-C1 3V



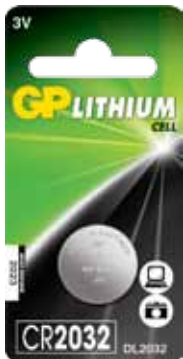
CR2016-C2 3V



CR2016-C5 3V



CR2032-C5 3V



CR2032-C1 3V



CR2032-C2 3V

### Available models

Model No.	Packing Type	
CR1/3N	C1	1pc/card
	C5	5pcs/card
CR1216	C1	1pc/card
	C5	5pcs/card
CR1220	C1	1pc/card
	C5	5pcs/card
CR1616	C1	1pc/card
	C5	5pcs/card
CR1620	C1	1pc/card
	C5	5pcs/card
CR2016	C1	1pc/card
	C2	2pcs/card
	C5	5pcs/card
CR2025	C1	1pc/card
	C2	2pcs/card
	C5	5pcs/card
CR2032	C1	1pc/card
	C2	2pcs/card
	C5	5pcs/card
CR2430	C1	1pc/card
	C5	5pcs/card
CR2450	C1	1pc/card
	C5	5pcs/card





# High Voltage Alkaline For Car Alarm

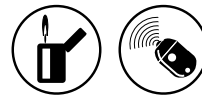
In tune with the most advanced remote control apparatus, High Voltage Alkaline batteries are especially built to conform to the highest standards of performance excellence in remote controls for cars, photo equipment and other electronic devices. To give maximum endorsement, they hold a stable operating voltage throughout use.

## Features

- ★ Long lasting power
- ★ Stable operating voltage
- ★ Wide range of models

## Major Applications

Car alarm, keyless entry remotes, toys, electronic organizers



## Standard Packs

### Mercury Free Series



23AF-C1 12V



23AF-C5 12V

27A-C1 12V

Mercury Free Series available models

Model No.	Packing Type
10A	C1 1pc/card
	C5 5pcs/card
11A	C1 1pc/card
	C5 5pcs/card
23A	C1 1pc/card
	C5 5pcs/card
26A	C1 1pc/card
	C5 5pcs/card
27A	C1 1pc/card
	C5 5pcs/card
29A	C1 1pc/card
	C5 5pcs/card
476A	C1 1pc/card

### Low Mercury Series



23AE-C1 12V



27A-C5 12V

27A-C1 12V

Low Mercury Series available models

Model No.	Packing Type
10A	C1 1pc/card
	C5 5pcs/card
11A	C1 1pc/card
	C5 5pcs/card
23AE	C1 1pc/card
	C5 5pcs/card
26A	C1 1pc/card
	C5 5pcs/card
27A	C1 1pc/card
	C5 5pcs/card
29A	C1 1pc/card
	C5 5pcs/card
476A	C1 1pc/card



## Silver Oxide For Watch

Keep yourself in step with the times, choose the best battery for fashion watches and quality timepieces. Silver oxide button cells offer high voltage stability, maintaining almost the same voltage from the beginning to the end of its service life. They are suitable to power precision devices and assure the time reliability of watches.

### Features

- ★ Very long runtime
- ★ 0% Mercury added
- ★ Stable operating voltage
- ★ Wide range of models

### Major Applications

Watches, calculators, and exposure meter



## Standard Packs

### Ultra Plus Series



357F-A1 1.55V

Ultra Plus Series  
available models

Model No.	Packing Type
357	
362	
364	
377	A1
379	1pc/capsule
386	C5
389	5pcs/card
392	
394	
395	

### Ultra Series



364E-A1 1.55V

Ultra Series  
available models

Model No.	Packing Type
357	
364	A1
377	1pc/capsule
386	C5
389	5pcs/card
392	



357F-C5 1.55V



377F-C5 1.55V



364E-C5 1.55V



377E-C5 1.55V



# Alkaline Cell For Electronic Device

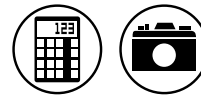
With its comprehensive product range, alkaline button cells are used to power various kinds of small portable electronic devices, including electronic toys, calculators and remote controls.

## Features

- ★ Deliver power required for small electronic devices
- ★ Comprehensive product range
- ★ Multi applications

## Major Applications

Electronic toys, calculators, remote controls



### Standard Packs

#### Mercury Free Series



A76-C1 1.5V



A76-C2 1.5V



A76-C5 1.5V

Mercury Free Series available models

Model No.	Packing Type
186	C1 1pc/card
	C5 5pcs/card
189	C1 1pc/card
	C5 5pcs/card
192	C1 1pc/card
	C5 5pcs/card
PX625A	C1 1pc/card
	C5 5pcs/card
A76	C1 1pc/card
	C2 2pcs/card
	C5 5pcs/card

#### Low Mercury Series



A76-C1 1.5V



A76-C2 1.5V



A76-C5 1.5V



A76-C10 1.5V

Low Mercury Series available models

Model No.	Packing Type
164	C5 5pcs/card
	C10 10pcs/card
177	C5 5pcs/card
	C10 10pcs/card
186	C1 1pc/card
	C5 5pcs/card
189	C10 10pcs/card
	C1 1pc/card
191	C5 5pcs/card
	C10 10pcs/card
192	C5 5pcs/card
	C10 10pcs/card
PX625A	C1 1pc/card
	C5 5pcs/card
A76	C1 1pc/card
	C2 2pcs/card
	C5 5pcs/card
	C10 10pcs/card





## Zinc Air For Hearing Aid

Sensible device is always using the correct battery to protect delicate devices. GP zinc air batteries are specifically designed to deliver reliable quality for sensitive hearing aid devices. It offers a long-lasting experience for different styles and models of hearing aids. It holds a stable operating voltage throughout use and performs well over a wide range of temperatures.

### Features

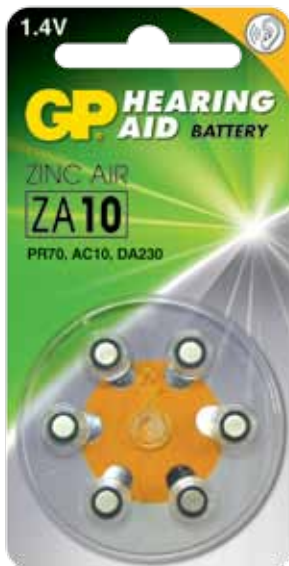
- ★ Long-lasting power
- ★ Reliable precise quality
- ★ Wide range operating temperatures

### Major Applications

Hearing aids and accessories



### Standard Packs



ZA10-D6 1.4V



ZA13-D6 1.4V



ZA312-D6 1.4V



ZA675-D6 1.4V

## Ultra Plus Alkaline



Model No.	Dimension (mm)		Voltage (V)	Cross Reference			
	Diameter	Height		IEC	JIS	Energizer	Other
13AUP	34.2	61.5	1.5	LR20	LR20	E95	D
14AUP	26.2	50.0	1.5	LR14	LR14	E93	C
15AUP	14.5	50.5	1.5	LR6	LR6	E91	AA
24AUP	10.5	44.5	1.5	LR03	LR03	E92	AAA
1604AUP	26.5(L) x 17.5(W) x 48.5(H)		9.0	6LF22	6LF22	522	-

## 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	E95	D
14AU	26.2	50.0	1.5	LR14	LR14	E93	C
15AU	14.5	50.5	1.5	LR6	LR6	E91	AA
24AU	10.5	44.5	1.5	LR03	LR03	E92	AAA
908AU	66.0(L) x 66.0(W) x 111.0(H)		6.0	4LR25	4LR25X	-	-
1604AU	26.5(L) x 17.5(W) x 48.5(H)		9.0	6LF22	6LF22	522	-

## 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	528	-
910A	12.0	30.2	1.5	LR1	LR1	-	N
1604A	26.5(L) x 17.5(W) x 48.5(H)		9.0	6LF22	6LF22	522	-
1412AP	35.5(L) x 9.2(W) x 48.4(H)		6.0	4LR61	4LR61	539	J

## Greencell Extra Heavy Duty



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	14.5	50.5	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	4F	509	-
1604G	26.5(L) x 17.5(W) x 48.5(H)		9.0	6F22	6F22	1222	-

## Supercell Super Heavy Duty



Model No.	Dimension (mm)		Voltage (V)	Cross Reference			
	Diameter	Height		IEC	JIS	Eveready	Other
13S	34.2	61.5	1.5	R20S	R20S	1050	D
14S	26.2	50.0	1.5	R14S	R14S	1035	C
15S	14.5	50.5	1.5	R6S	R6S	1015	AA
24S	10.5	44.5	1.5	R03	R03	912	AAA
312S	62.0(L) x 22.0(W) x 67.0(H)		4.5	3R12	3R12	-	-
1603S	66.0(L) x 52.0(W) x 81.0(H)		9.0	6F100	6F100	276	-
1604S	26.5(L) x 17.5(W) x 48.5(H)		9.0	6F22	6F22	216	-

# GP Batteries

## Lithium AA



Model No.	Dimension (mm)		Voltage (V)	Cross Reference			
	Diameter	Height		IEC	JIS	Energizer	Duracell
15LF	14.5	50.5	1.5	FR6	FR6	L91	LF1500

## Lithium 9V



Model No.	Dimension (mm)		Voltage (V)	Cross Reference			
	Diameter	Height		IEC	JIS	ANSI	Ultralife
CR-V9	26.5(L) x 17.5(W) x 48.5(H)		9.0	-	-	1604LC	U9VL

## Lithium Cylindrical



Model No.	Dimension (mm)		Voltage (V)	Cross Reference			
	Diameter	Height		IEC	JIS	Eveready	Duracell
CR2	15.6	27.0	3.0	-	-	-	DLCR2
CR123A	16.8	34.5	3.0	CR17345	-	EL123AP	DL123A
CR-P2	34.8(L) x 19.5(W) x 35.8(H)		6.0	CR-P2	CR-P2	EL223AP	DL223A
2CR5	34.0(L) x 17.0(W) x 45.0(H)		6.0	2CR5	2CR5	EL2CR5BP	DL245

## Lithium Coin



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	CR1/3N	2L76	CR1/3N	-
CR1216	12.5	1.6	3.0	25	CR1216	CR1216	CR1216	-
CR1220	12.5	2.0	3.0	36	CR1220	CR1220	CR1220	1220
CR1616	16.0	1.6	3.0	55	CR1616	CR1616	CR1616	1616
CR1620	16.0	2.0	3.0	78	CR1620	CR1620	CR1620	1620
CR2016	20.0	1.6	3.0	90	CR2016	CR2016	CR2016	2016
CR2025	20.0	2.5	3.0	160	CR2025	CR2025	CR2025	2025
CR2032	20.0	3.2	3.0	220	CR2032	CR2032	CR2032	2032
CR2430	24.5	3.0	3.0	300	CR2430	CR2430	CR2430	2430
CR2450	24.5	5.0	3.0	610	CR2450	CR2450	CR2450	2450

## Silver Oxide (Ultra Plus Series)



Model No.	Dimension (mm)		Voltage (V)	Nominal Capacity (mAh)	Cross Reference				
	Diameter	Height			IEC/JIS	Eveready	Varta	Duracell	Sony
357	11.6	5.4	1.55	155	SR44	357/303Z	V357	303/357	SR44SW
362	7.9	2.1	1.55	24	SR58	362/361Z	V362	361/362	SR721SW
364	6.8	2.15	1.55	17	SR60	364/363Z	V364	364	SR621SW
377	6.8	2.6	1.55	23	SR66	377/376Z	V377	377	SR626SW
379	5.8	2.15	1.55	14	SR63	379Z	V379	379	SR521SW
386	11.6	4.2	1.55	115	SR43	386Z	V386	301/386	SR43SW
389	11.6	3.05	1.55	67	SR54	389Z	V389	389	SR1130SW
392	7.9	3.6	1.55	40	SR41	392/384Z	V392	384/392	SR41SW
394	9.5	3.6	1.55	60	-	394/380Z	V394	-	SR936SW
395	9.5	2.7	1.55	55	SR57	395/399Z	V395	395/399	SR927SW

## Silver Oxide (Ultra Series)



Model No.	Dimension (mm)		Voltage (V)	Nominal Capacity (mAh)	Cross Reference				
	Diameter	Height			IEC/JIS	Eveready	Varta	Duracell	Sony
357	11.6	5.4	1.55	140	SR44	357/303Z	V357	303/357	SR44SW
364	6.8	2.15	1.55	14	SR60	364/363Z	V364	364	SR621SW
377	6.8	2.6	1.55	20	SR66	377/376Z	V377	377	SR626SW
386	11.6	4.2	1.55	95	SR43	386Z	V386	301/386	SR43SW
389	11.6	3.05	1.55	58	SR54	389Z	V389	389	SR1130SW
392	7.9	3.6	1.55	33	SR41	392/384Z	V392	384/392	SR41SW



## Alkaline Cells (Mercury Free Series)



Model No.	Dimension (mm)		Voltage (V)	Nominal Capacity (mAh)	Cross Reference				
	Diameter	Height			IEC	JIS	Eveready	Varta	Duracell
A76	11.6	5.4	1.5	110	LR44	LR44	A76Z	V13GA	LR44
186	11.6	4.2	1.5	70	LR43	LR43	186	V12GA	LR43
189	11.6	3.05	1.5	44	LR54	LR1130	189	V10GA	LR54
192	7.9	3.6	1.5	24	LR41	LR41	192Z	V3GA	-
PX625A	15.6	5.95	1.5	190	LR9	LR9	E625G	V625U	625A

## Alkaline Cells (Low Mercury Series)



Model No.	Dimension (mm)		Voltage (V)	Nominal Capacity (mAh)	Cross Reference				
	Diameter	Height			IEC	JIS	Eveready	Varta	Duracell
A76	11.6	5.4	1.5	110	LR44	LR44	A76Z	V13GA	LR44
164	6.8	2.15	1.5	8	LR60	-	-	-	LR620
177	6.8	2.6	1.5	12	LR626	LR626	-	-	-
186	11.6	4.2	1.5	70	LR43	LR43	186	V12GA	LR43
189	11.6	3.05	1.5	44	LR54	LR54	189	V10GA	LR54
191	11.6	2.05	1.5	24	LR55	LR55	191	V8GA	-
192	7.9	3.6	1.5	24	LR41	LR41	192Z	V3GA	-
PX625A	15.6	5.95	1.5	190	LR9	LR9	E625G	V625U	625A

## High Voltage Alkaline (Mercury Free Series)



Model No.	Dimension (mm)		Voltage (V)	Nominal Capacity (mAh)	Cross Reference				
	Diameter	Height			IEC	JIS	Eveready	Varta	Duracell
10A	10.22	22.1	9.0	38	-	-	-	-	-
11A	10.22	16.5	6.0	38	-	-	E11A	-	-
23A	10.22	28.5	12.0	38	-	-	A23	V23GA	MN21
26A	8.0	15.7	6.0	18	-	-	-	-	-
27A	8.0	28.2	12.0	18	-	-	A27	-	MN27
29A	8.0	21.9	9.0	18	-	-	-	-	-
476A	13	25.2	6	105	4LR44	4LR44	A544	V4034PX	28A

## High Voltage Alkaline (Low Mercury Series)



Model No.	Dimension (mm)		Voltage (V)	Nominal Capacity (mAh)	Cross Reference				
	Diameter	Height			IEC	JIS	Eveready	Varta	Duracell
10A	10.22	22.1	9.0	38	-	-	-	-	-
11A	10.22	16.5	6.0	38	-	-	E11A	-	-
23AE	10.22	28.5	12.0	55	-	-	A23	V23GA	MN21
26A	8.0	15.7	6.0	20	-	-	-	-	-
27A	8.0	28.2	12.0	20	-	-	A27	-	MN27
29A	8.0	21.9	9.0	20	-	-	-	-	-
476A	13	25.2	6.0	105	4LR44	4LR44	A544	V4034PX	28A

## Zinc Air Hearing Aid



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	90	PR536	AC10	10	10
ZA13	7.9	5.4	1.4	290	PR48	AC13	13	13
ZA312	7.9	3.6	1.4	160	PR41	AC312	312	312
ZA675	11.6	5.4	1.4	630	PR44	AC675	675	675