

# GP Batteries

**WORLDWIDE HEADQUARTERS**  
**GPI International Limited**

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#### **Shanghai Branch**

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Website: www.gpbatteries.fr

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Website: www.gpbatteries.de

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Website: www.gpbatteries.it

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Website: pl.gpbatteries.com

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Website: www.gpbatteries.se

### **US & LATIN AMERICA**

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#### **Consumer Sales Division**

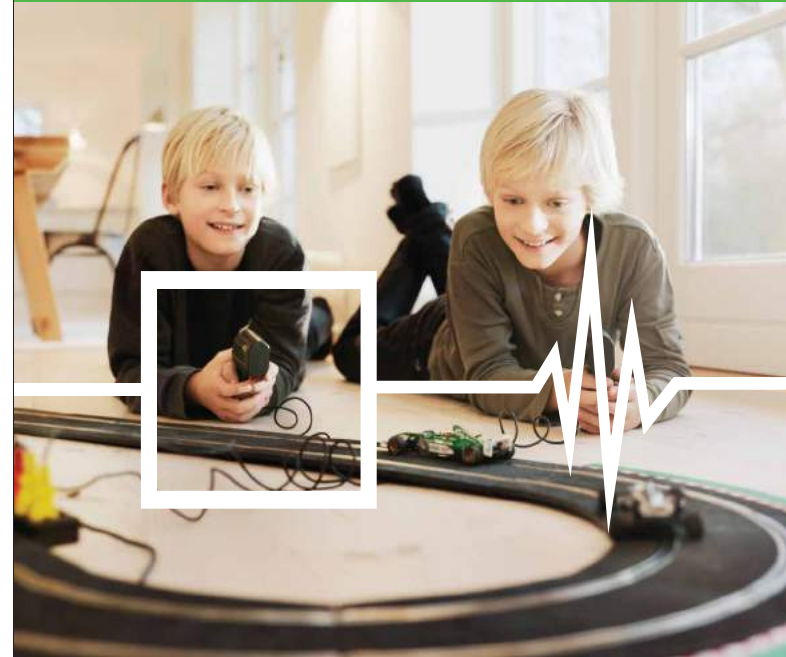
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Email: gpbatteriesamericas@goldpeak.com  
Website: us.gpbatteries.com

### **UAE**

#### **GP Battery Marketing (Middle East) Limited (FZC)**

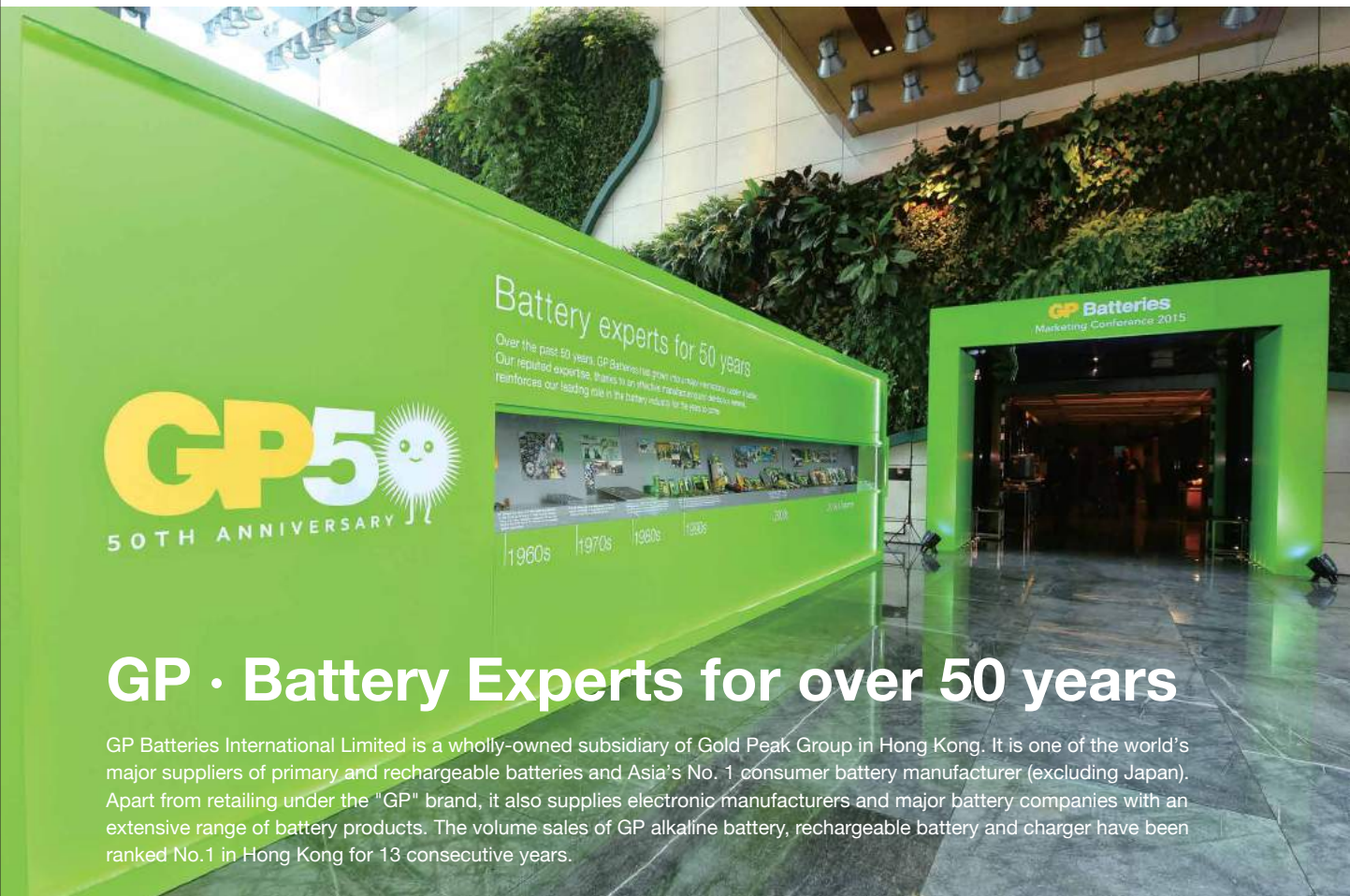
P.O.Box: 7989, M4 -02, Saif Zone  
SHARJAH, U A E  
Tel: (971) 6 5578787 Fax: (971) 6 5578777  
Email: md\_pme@emirates.net.ae  
Website: uae.gpbatteries.com

# GP Batteries



# Primary Batteries





# GP · Battery Experts for over 50 years

GP Batteries International Limited is a wholly-owned subsidiary of Gold Peak Group in Hong Kong. It is one of the world's major suppliers of primary and rechargeable batteries and Asia's No. 1 consumer battery manufacturer (excluding Japan). Apart from retailing under the "GP" brand, it also supplies electronic manufacturers and major battery companies with an extensive range of battery products. The volume sales of GP alkaline battery, rechargeable battery and charger have been ranked No.1 in Hong Kong for 13 consecutive years.



## R&D

GP has dedicated significant amount of resources and efforts each year to the R&D center for its construction, development of new products and introduction of advanced equipment. Our R&D center prides itself on various facilities, namely the professional trial-production workshops, performance test rooms, chemical labs and material analysis rooms.



## Automation

In order to meet the increasing market demand, we have equipped ourselves with the cost-effective automated systems that enhance productivity and quality control. Factors such as distribution, parts procurement, labor and risks are thoroughly assessed in areas of our inhouse production of tools, materials and technologies.



## Quality

As an established brand, we speak with strong data and make continuous improvement practicing the Six Sigma philosophy. Factors/parameters that could affect product quality are hence prevented by data automation. Not to mention we also possess world-class inspection equipment exclusive to the battery industry such as AAS (Atomic Absorption Spectroscopy), UV-VIS (UV-Visible Spectrometry) and EDXRF (Energy Dispersive X-Ray Fluorescence).

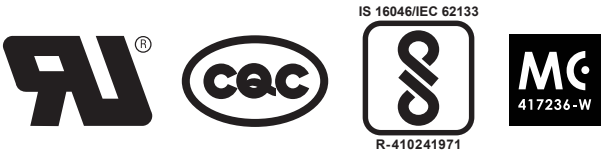


# Battery Experts



## Product Compliance

As a major brand in consumer batteries, GP Batteries adheres to strict safety and complies with the highest international safety standards



GP Batteries' IEC62133-certified **NiMH** batteries and Lithium-ion offer quick market penetration into **53** Certification Body scheme participating countries\*.

GP Batteries manufactured **4** out of **8** brands worldwide of certified primary 9V brands against UL217 specifically for Smoke Alarm application.

GP Batteries is amongst the **First batch of Lithium-ion battery brands** that obtained voluntary CQC mark in China, as well as UR, BIS, and MC marks in the USA, India and Malaysia to respectively cater business needs more efficiently.

With **UN38.3** certification, all GP Lithium-ion batteries are easily transported by air and sea to **5** continents\*.

\* Subject to national deviation, additional tests may be needed.





# Battery Experts

## Laboratory Services

### China and Singapore

GP Batteries' quality assurance centers, located strategically in China, Singapore and Hong Kong, provide full range R&D facilities for quality and safety assurance.

Both China and Singapore laboratories are well-recognized by more than 90 international regions under International Laboratory Accreditation Cooperation-Mutual Recognition Agreement (ILAC-MRA).

#### China (Dongguan) - Chemical & Calibration Laboratory

- CNAS (China National Accreditation Service for Conformity Assessment) Accreditation



中国认可  
国际互认  
检测 / 校准  
TESTING / CALIBRATION  
CNAS L2411

- Testing scope
- 2002/95/EC (RoHS Directive)
- 2006/66/EC (Battery & Accumulator Directive)

#### Battery Performance Test in Singapore

- SAC-SINGLAS (Singapore Laboratory Accreditation Scheme) Accreditation

- Testing scope
- IEC 60086-1
- IEC 60086-2
- IEC 60086-5



\* Record as at end 2016.

### Hong Kong Science Park

The Hong Kong laboratory, the first in Hong Kong, is the only 1 out of 6 certified to UL WTDP (Witnessed Test Data Program); it is also the only 1 out of 5 CTF (Customers' Testing Facilities - Stage 1) approved facilities in the China and Hong Kong region\*.

#### UL Data Acceptance Program

- WTDP (Witnessed Testing Data Program)
- UL1642
- UL2054
- UL62133
- UN38.3

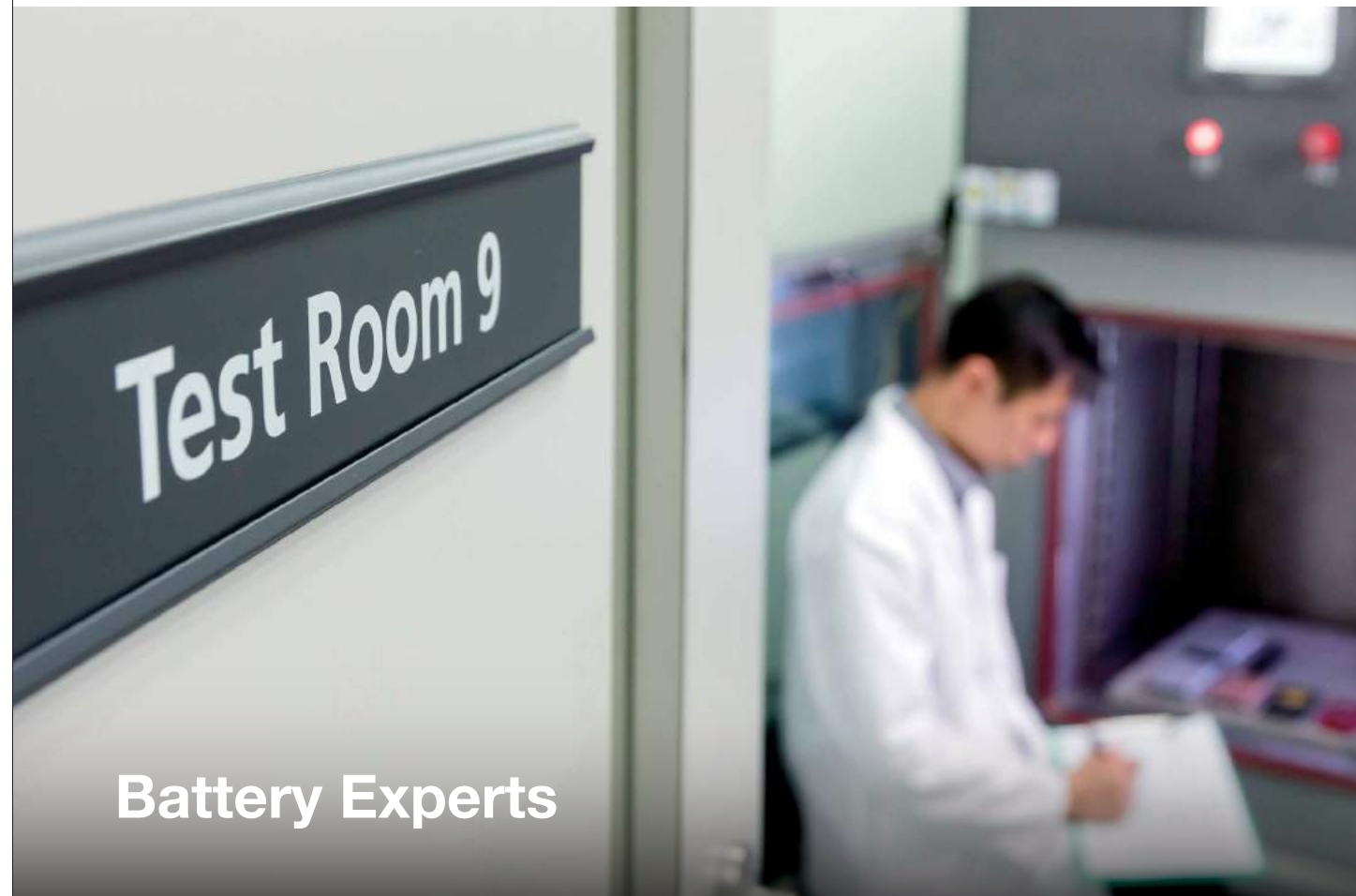


#### IEC Manufacturer's Testing Laboratory

- CTF (Customer's Testing Facilities (CTF) - Stage 1)
- IEC62133

#### Reliability Test for Benchmarking

- Test conditions to be agreed with clients



# Battery Experts

## System Certification

In order to meet the increasing market demand, we make continuous improvement to ensure our Management System excellence for our stakeholders and clients. GP Batteries is certified against ISO9001, ISO14001, OHSAS18001, SA8000, as well as the highlighted below:



#### Global Security Verification (GSV)

Safety matters. Our GSV certified supply chain security excellence ensuring our trade with our clients are secure, protect against terrorist acts, and to combat illegal trafficking.



#### ISO26000 Social Responsibility

We speak as a global excellence brands, we value the relationship with our society and environment. Our social responsibility performance is certified against ISO 26000 which proved our promises to the welfare of society and environment.



#### ISO17025

Our China and Singapore laboratories are certified against ISO17025 – the general requirement for the competence of testing and calibration laboratories to offer the most reliable service to our clients.

## Awards

GP stands for excellence, and its track record is impressive. GP's unwavering adherence to high standards has brought recognition from various entities.

#### Most Valuable Supplier:

This award was presented by Panasonic Corporation to recognize GP's contributions as a supplier.

#### Asia Quality Best Practice Award:

Handed out by the International Six Sigma Council, the gold award celebrates GP being top in quality improvement.

#### MAKE (Most Admired Knowledge Enterprise) Award:

The award names organizations which out-perform their peers by above average growth in intellectual capital and wealth creation.





## Power Solutions

As the leading battery expert, GP is dedicated and committed to creating and producing power solutions for a full range of consumer and professional devices. Aside from rechargeable batteries and PowerBanks, GP also prides itself in being a leader in offering an extensive primary battery portfolio, which consists of:

**Alkaline Batteries:** specifically designed for common consumer and household items such as toys, lights, flashlights and portable consumer electronic devices. Our durable batteries ensure your devices have longer operating times, allowing you to enjoy your gadgets for a longer period of time without needing to constantly replace batteries. Worry and hassle-free!

**Carbon Zinc Batteries:** our Greencell batteries strike a perfect balance between value and performance. These batteries are suited for low to medium powered items, such as timepieces, radios and flashlights. Economical, yet provides you with optimal performance.

**Lithium Batteries:** designed for high-powered professional and consumer devices that need to perform consistently well in extreme weather conditions, such as medical equipment, sophisticated cameras, electronic games, recreational appliances and GPS devices. Dependable and reliable; never leaving you disappointed.

**Specialty Batteries:** used in a broad range of applications, GP's specialty batteries provide stable voltage and good power durability for devices requiring high energy density (cameras, watches, remote controls) and long lasting power (car alarms, keyless entry remotes, electronic organizers, hearing aids). Giving you a peace of mind that your devices will have the enduring power it needs to operate well on a daily basis.

### Alkaline



02

ULTRA PLUS ALKALINE



04

ULTRA ALKALINE



08

SUPER ALKALINE

### Carbon Zinc



12

GREENCELL



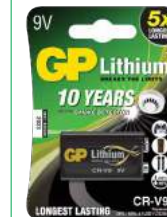
15

SUPERCCELL

### Lithium



18

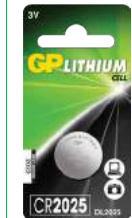


19



20

### Specialty



21

LITHIUM COIN



22

HIGH VOLTAGE ALKALINE



23

SILVER OXIDE



24

ALKALINE CELL



25

ZINC AIR







## Ultra Plus Alkaline

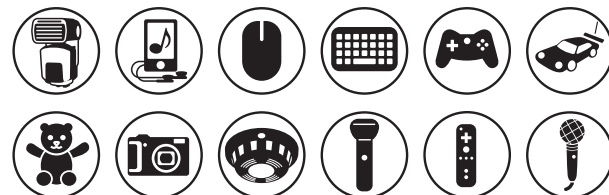
The popularity of portable electronic devices brings along the increased demand for long-lasting battery power. Ultra Plus Alkaline battery, made with advanced materials, is designed to provide reliable and long operating power for high drain devices. Ultra Plus Alkaline battery offers users seamless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



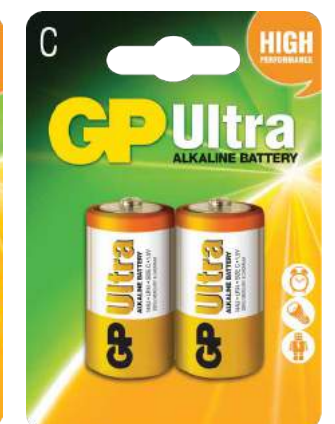
24AU-U4 AAA 1.5V  
(AAA 4's)



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)



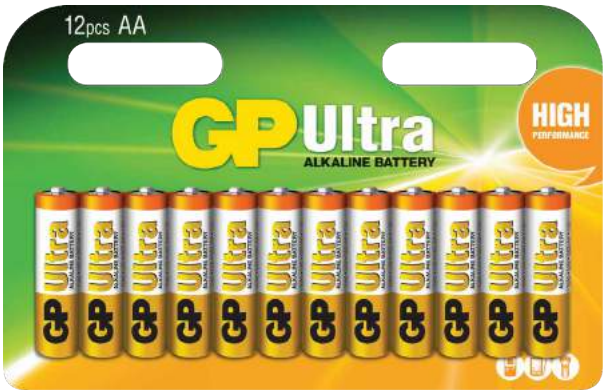
15AU-U4 AA 1.5V  
(AA 4's x 10 cards)



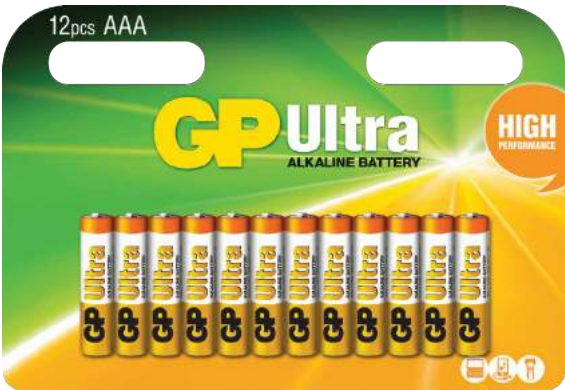
24AU-U4 AAA 1.5V  
(AAA 4's x 10 cards)



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





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)





# Greencell

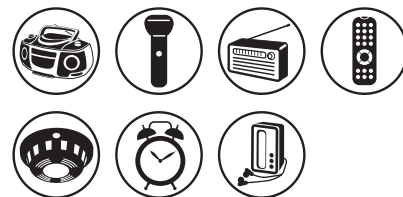
Stay in tune with the times for domestic and day-to-day items by using value to performance Greencell batteries. They're dependable, and offer an economical, reliable power source for medium to low-drain applications such as self-standing or wall hanging timepieces. An ideal choice for price-conscious 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
- ★ No Lead added

## 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)



1604GLF-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-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)



# 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

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

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

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

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

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

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

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

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

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

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

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

Standard Packs

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

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

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

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

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

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

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

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





## Lithium AA & AAA

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

### Features

- ★ Suitable for power hungry / medical / professional devices
- ★ 40% lighter than Alkaline Battery
- ★ Performs well in extreme weather (-30°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



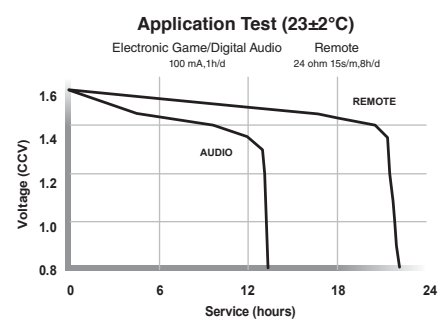
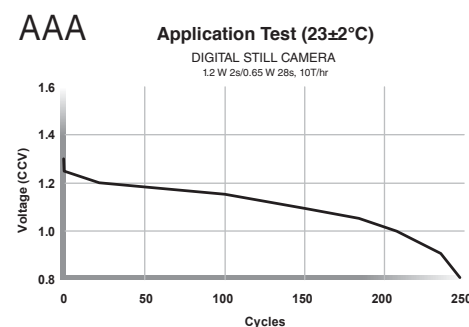
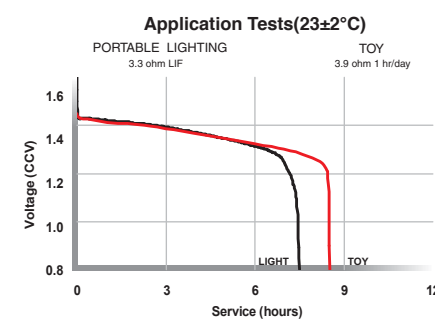
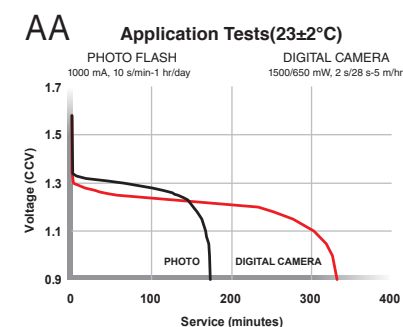
15LF-U4 1.5V



24LF-U2 1.5V



24LF-U4 1.5V



## Lithium 9V

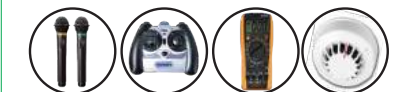
GP Lithium 9V is the best choice of battery for smoke detectors. It provides 10-year shelf life, highest energy density, stable discharge voltage and wide operating temperature which outperforms any comparable 9V battery. It also lasts up to 5 times longer than ordinary alkaline 9V batteries making it 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

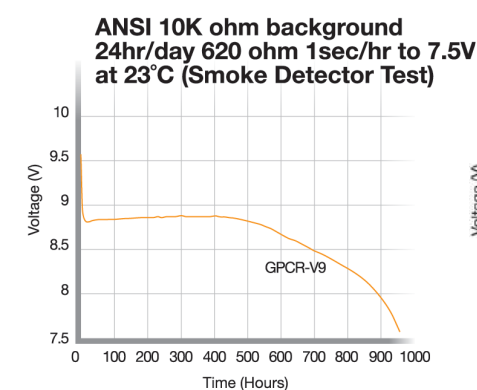
Smoke detectors, medical equipment, carbon monoxide alarms, explosion gas alarms, meters, wireless transmitters, stun guns, military applications, electronic toll collection system



### Standard Packs

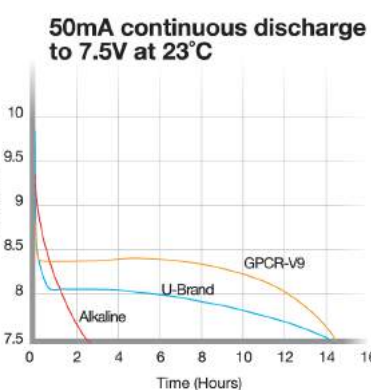


CR-V9SD-U1 9V



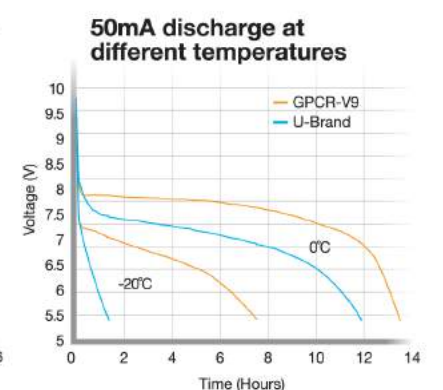
### 10-year Service Life in Smoke Detectors

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

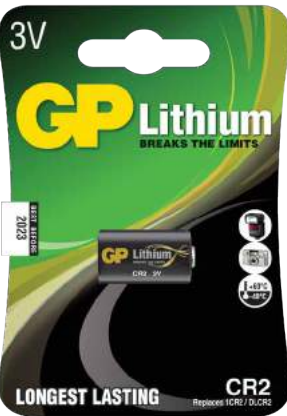
- ★ Excellent high current discharge performance
- ★ Built-in safety mechanism
- ★ Environmentally friendlier
- ★ Wide operating temperature range of -40°C to +60°C and excellent discharge performance at extremely low temperature
- ★ All sizes of CR123A, CR2, CR-P2 and 2CR5 are available

Major Applications

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



Standard Packs



CR2-U1 3V



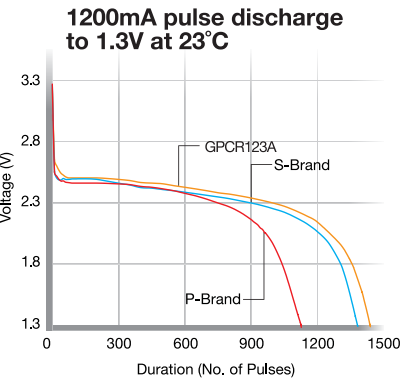
CR123A-U1 3V



CR-P2-U1 6V

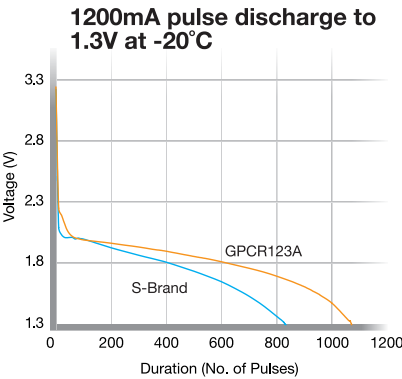


2CR5-U1 6V



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

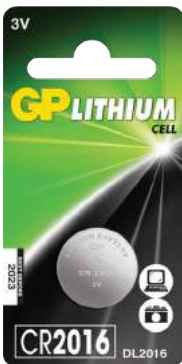
- ★ High energy density
- ★ Wide range of operating temperatures, from -10°C to +60°C
- ★ Flat discharge curve
- ★ Long shelf life of 10 years
- ★ Environmentally friendlier
- ★ Broad range of sizes and models

Major Applications

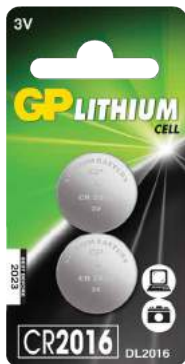
Computer memory back-up, camera, remote controls, calculators and thermometers.



Standard Packs



CR2016-C1 3V



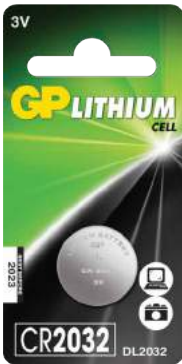
CR2016-C2 3V



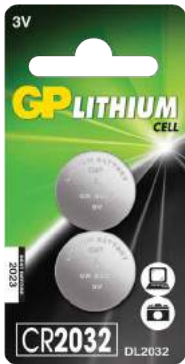
CR2016-C5 3V



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
CR1632	C1	1pc/card
	C5	5pcs/card
CR2016	C1	1pc/card
	C5	5pcs/card
CR2025	C1	1pc/card
	C5	5pcs/card
CR2032	C1	1pc/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
- ★ 0% Mercury added
- ★ Stable operating voltage
- ★ Wide range of models

## Major Applications

Car alarm, keyless entry remotes, toys, electronic organizers



# 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



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

## Standard Packs

### Ultra Plus Series



Ultra Plus Series available models

Model No.	Packing Type
357	
362	
364	
371	
377	A1 1pc/capsule
379	
386	C5 5pcs/card
389	
391	
392	
394	
395	





# 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
- ★ 0% Mercury added
- ★ Comprehensive product range
- ★ Multi applications

### Major Applications

Electronic toys, calculators, remote controls



# 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
- ★ 0% Mercury added
- ★ Reliable precise quality
- ★ Wide range operating temperatures

### Major Applications

Hearing aids and accessories



## Standard Packs



Available models		
Model No.	Packing Type	
164	C5	5pcs/card
	C10	10pcs/card
177	C5	5pcs/card
	C10	10pcs/card
186	C5	5pcs/card
	C10	10pcs/card
189	C5	5pcs/card
	C10	10pcs/card
191	C5	5pcs/card
	C10	10pcs/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
	C10	10pcs/card

## Standard Packs





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	6LR61 / 6LP3146	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	6LR61 / 6LP3146	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	6LR61 / 6LP3146	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	R20P	R20P	1050	D
14S	26.2	50.0	1.5	R14P	R14P	1035	C
15PL	14.5	50.5	1.5	R6P	R6P	1015	AA
24PL	10.5	44.5	1.5	R03	R03	912	AAA
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	-



Lithium AA & AAA



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
24LF	10.5	44.5	1.5	FR03	FR03	L92	LF2400

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
CR1632	16.0	3.2	3.0	140	CR1632	-	-	-
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
371	9.5	2	1.55	35	SR69	371	V371	370/371	SR920SW
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
391	11.6	2	1.55	55	SR55	391	V391	381/391	SR1120W/SW
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
371	9.5	2	1.55	31	SR69	371	V371	370/371	SR920SW
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
391	11.6	2	1.55	50	SR55	391	V391	381/391	SR1120W/SW
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
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

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	1.45	90	PR536	AC10	10	10
ZA13	7.9	5.4	1.45	290	PR48	AC13	13	13
ZA312	7.9	3.6	1.45	170	PR41	AC312	312	312
ZA675	11.6	5.4	1.45	620	PR44	AC675	675	675