



Panasonic

POWER YOUR DAY



PANASONIC BATTERIES YOUR POWER PARTNER

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A Better Life, A Better World

Panasonic is committed to creating a better life and a better world, continuously contributing to the evolution of society and to the happiness of people around the globe.



Panasonic Worldwide Group

Worldwide leading enterprise

Panasonic Corporation is one of the largest electronic product manufacturers in the world. It manufactures and markets a wide range of products under the Panasonic brand to enhance and enrich lifestyles all around the globe.

Company name:	Panasonic Corporation
Head Office Location:	Osaka – Japan
President:	Kazuhiro Tsuga
Foundation:	March, 1918 (incorporated in December, 1935)
Net sales⁽¹⁾:	7,553.7 billion yen
Number of employees⁽¹⁾:	249,520
Number of consolidated Companies⁽¹⁾:	475 (including parent company)

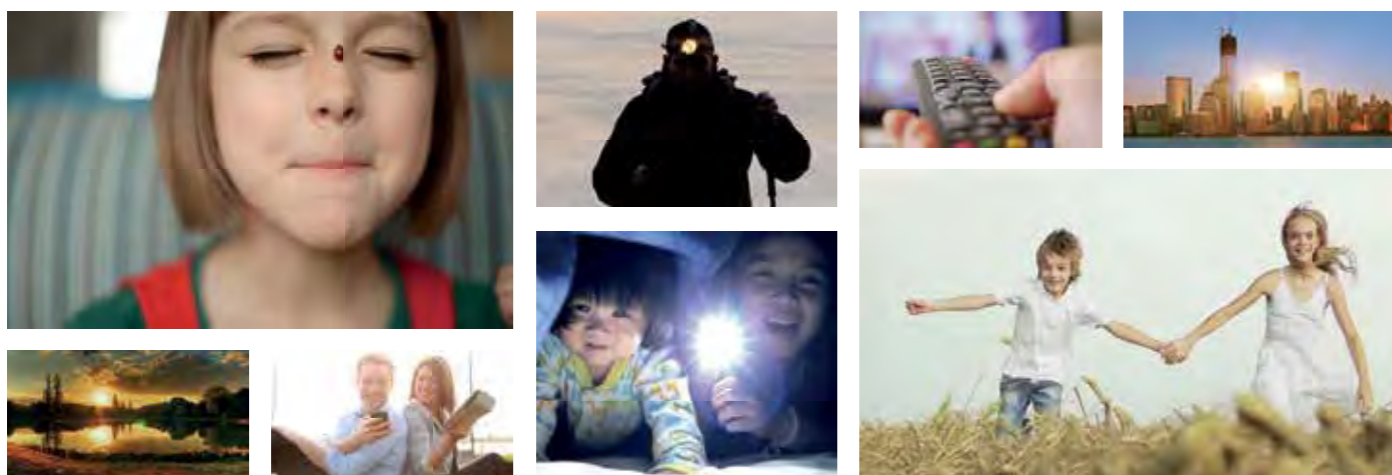
Panasonic - A powerful Global Brand

N°1 Best Global
Green Brand 2014
in Electronics Sector*

68th Best Global
Brand 2016*

* www.interbrand.com

[1] as of March 31, 2016



Creating New Life with Energy

Batteries are essential to daily life. All around us, in the devices we need to work and play, Panasonic energy is helping us not to live, but to flourish. For more than 90 years, we've been creating products most trusted for performance, safety, and reliability. Our technology is driven by continuous research and development as we find new ways to extend endurance. Passion for quality has led to the supply of over 200 billion dry-cell batteries* to more than 120 countries, establishing Panasonic as the premier brand for convenience and value. With superior technology and a firm commitment to sustainability, we're leading the world to new life and new possibilities. *As of March 2016



Leading Energy Solutions for the Future

Panasonic's vision for the future centers on the need to develop products that offer greater convenience, a higher level of performance, and improved environmental sustainability. And we're already delivering on that promise. Some recent examples include the supply of next-generation lithium-ion batteries for Tesla Motors' electric vehicles, the development of wireless charging devices for mobile users, and our ever-increasing involvement in solar energy—and how we can use it to help people in remote areas. It's the dawn of a new and exciting era for Panasonic and the global community.



Next-generation lithium-ion batteries for Tesla Motors



Revolutionary wireless mobile charging technology for cafés



Efficient solar lanterns for people without power access



Ultra-reliable battery power for space exploration

Innovating on the World Stage

More than 200 billion dry batteries sold in 120 countries

Over the last century, Panasonic energy has become synonymous with performance, safety, and reliability. Driven forward by constant scientific research, we aim to develop products that open doors to new life and new possibilities today and in the future.

since **1931**



Higher Quality, Better Performance, and Enhanced Protection

From our first bicycle battery lamp developed in 1923 by company founder Konosuke Matsushita to the latest Ni-MH cells powering next-generation EVs, Panasonic has always been guided by innovation.



200

billion



Assuming a 5 cm average length and laid end-to-end, an accumulated total of 200 billion dry batteries ...

... would extend for a distance of

10,000,000 km

13

That's about 13 return trips to the moon.

Panasonic
batteries
by numbers



120



Panasonic batteries are sold in more than 120 countries

Information is accurate as of November 2016.

An Advanced Global Approach to Battery Production

Panasonic's holistic approach to manufacturing encompasses four key areas—research and development, production, quality control, and environmental effort—at a number of state-of-the-art facilities around the world. Guiding principles of continual product improvement and the strictest quality control are governed by our desire to deliver premium products to customers with minimal impact on the environment.

Research & Development

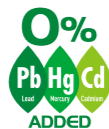
Developing High-Quality, High-Capacity Batteries

Continual research and development in all areas, from materials, production processes, and system technology at our dedicated lab facilities has kept Panasonic at the very forefront of battery design. A focus on improving battery safety and endurance has led to high-value products that exceed expectations in every area.



Producing Products Without Specified Harmful Substances

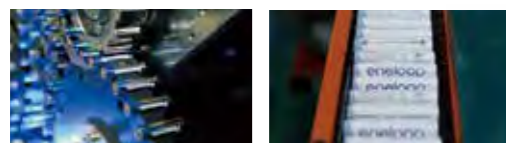
Panasonic zinc carbon batteries contain no lead, mercury or cadmium, while our Coin batteries contain zero mercury.



Manufacturing

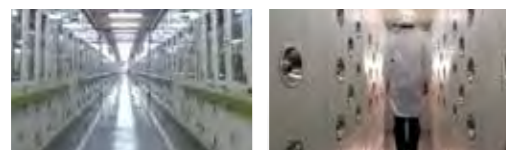
Integral Computer-Controlled Production Lines

Almost all batteries in the Panasonic family are made on fully automated and computer-controlled production lines for superior consistency of quality and greater efficiency.



Contaminant-free Clean Facilities

The vast majority of production takes place in contaminant-free clean rooms that exceed all industry environmental standards. Advanced manufacturing techniques ensure the same highly consistent quality no matter where our products are purchased.



Quality Control

Pursuing Better Quality Batteries

More than two million batteries are produced and tested worldwide each year. We lead the industry in product quality with larger-scale testing facilities than our competitors. Furthermore, all batteries are subjected to severe five-category testing covering discharge performance, leakage resistance, shelf life, performance in extreme environments, and product stability over time.

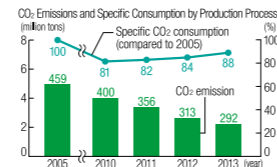


Environmental Efforts

Eco-friendly Processes and Design

We limit our impact on the environment in a variety of ways:

- Reducing CO2 during production processes (Kasai Factory)



- Recycling resources (Wuxi Factory)



- ISO14001* and ISO9001* certification for all factories

* Except Tanzanian factories

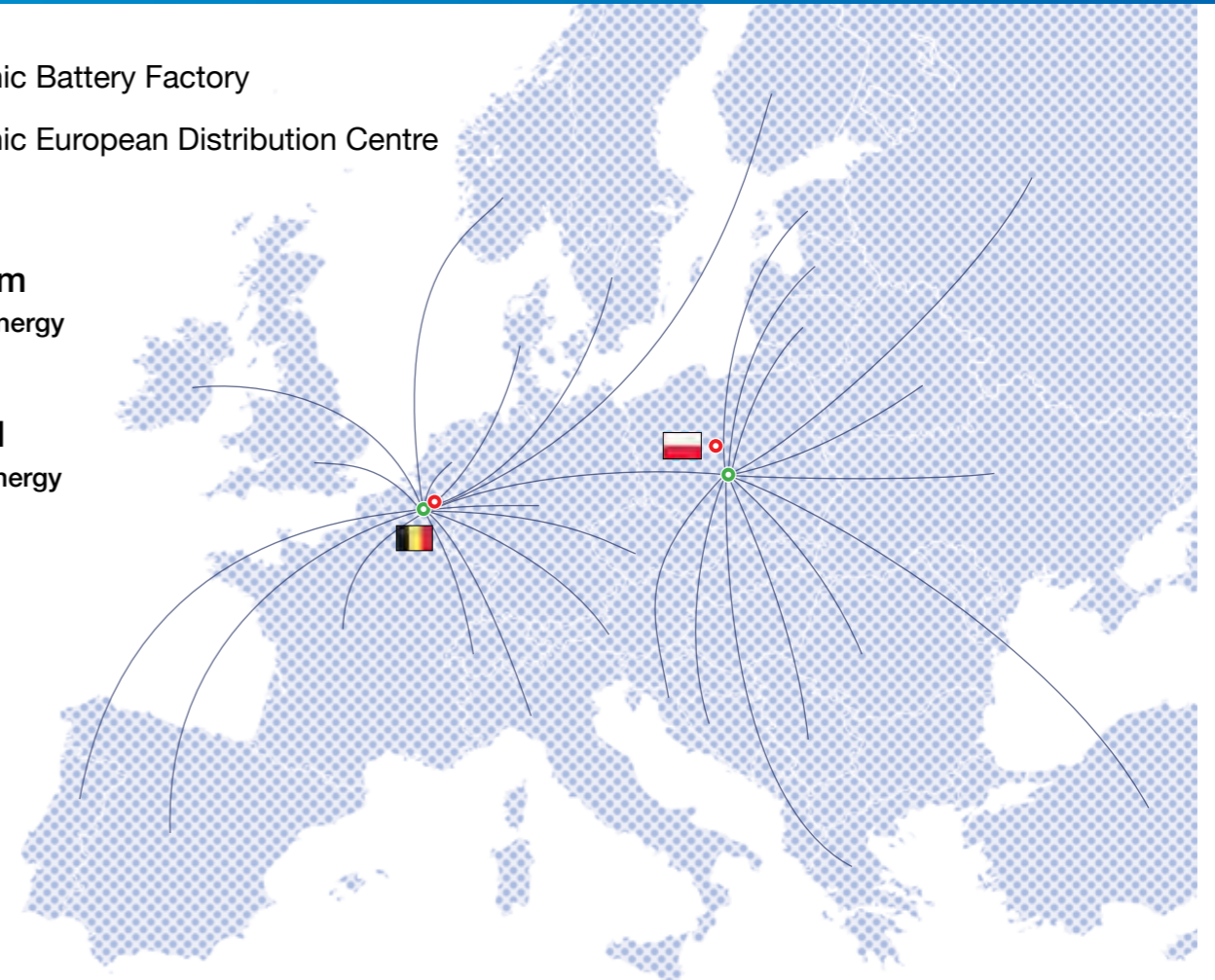


Panasonic Energy Europe, your Professional Battery Partner

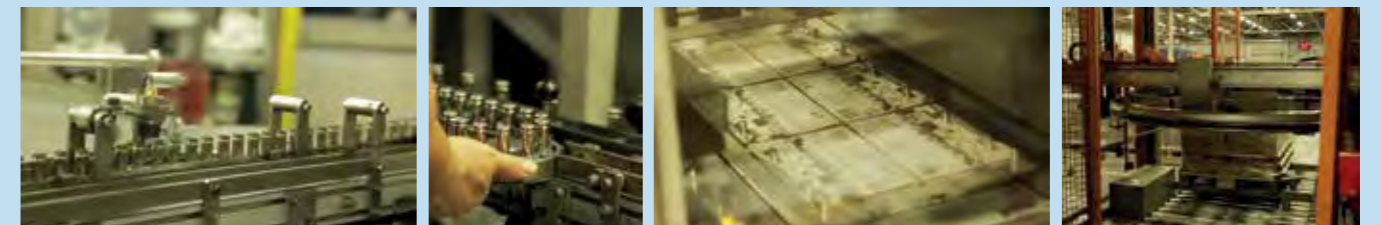
- Panasonic Battery Factory
- Panasonic European Distribution Centre

Belgium
Panasonic Energy Belgium N.V.

Poland
Panasonic Energy Poland S.A.



A CLOSER LOOK AT OUR FACTORIES



BELGIUM FACTORY

Located in: Tessenderlo, Belgium
Established in: September 29th 1970
Number of employees: 360 employees

In-house production of batteries, starting from the creation of the battery can, to labeling of finished products, packing, and automatic palletization.

POLAND FACTORY

Located in: Gniezno, Poland
Established in: December 15th 1993
Number of employees: 344 employees

In-house production of zinc-carbon batteries (sizes R03, R6, R14 and R20) and LR6 alkaline batteries, packing of enloop and other batteries.

Panasonic Energy Europe, your Professional Battery Partner

Panasonic Energy Europe: Our Mission

Being a leader in the **consumer battery category**, our **team** is passionate to bring as a **trusted partner**, expertise and superior **solutions** to our **individual customers** to achieve their **specific business needs**.

Our ultimate reward is to put **a smile on the consumer's face** as they **enjoy** our **top performing products**.

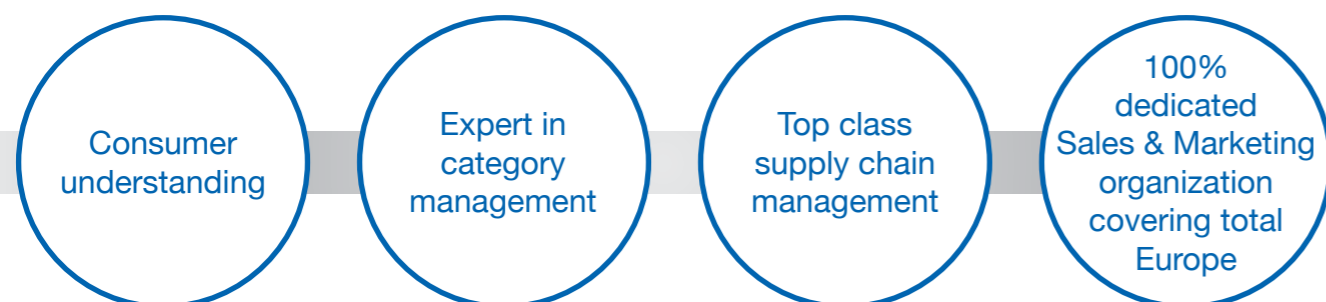


An Organization 100% Dedicated to Batteries

- **BUSINESS** : a battery dedicated company
- **INTEGRATION** : Unified production, logistics and sales support
- **LOCAL MANUFACTURING** : two European production sites:
 - Local flexibility and short delivery times
 - In line with EU quality and environmental standards
- **DISTRIBUTION** :
 - European distribution centre in Belgium
 - Hub for Eastern Europe in Poland



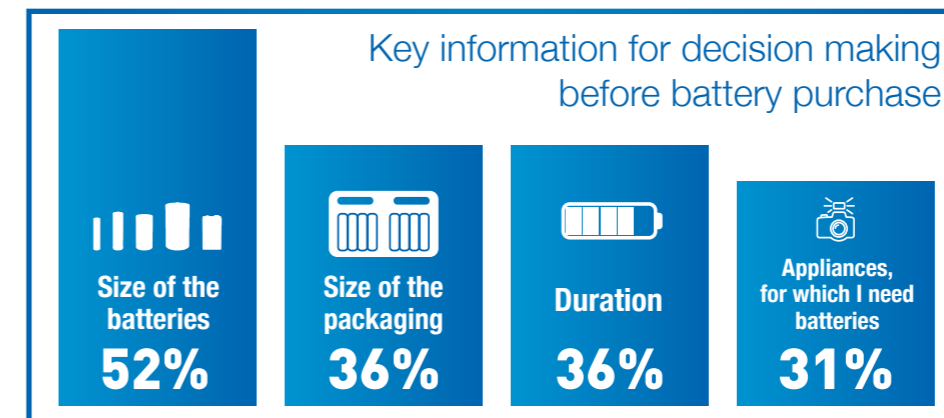
Panasonic Energy Europe, your Professional Battery Partner



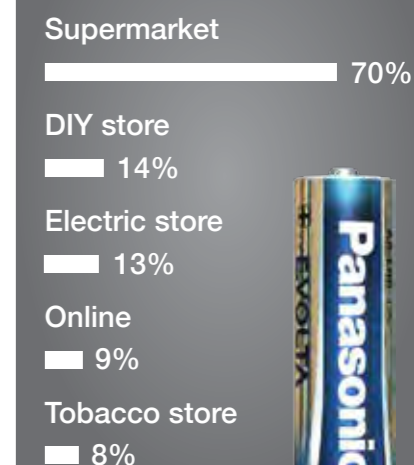
Shopper Insights

Purchasing behaviour

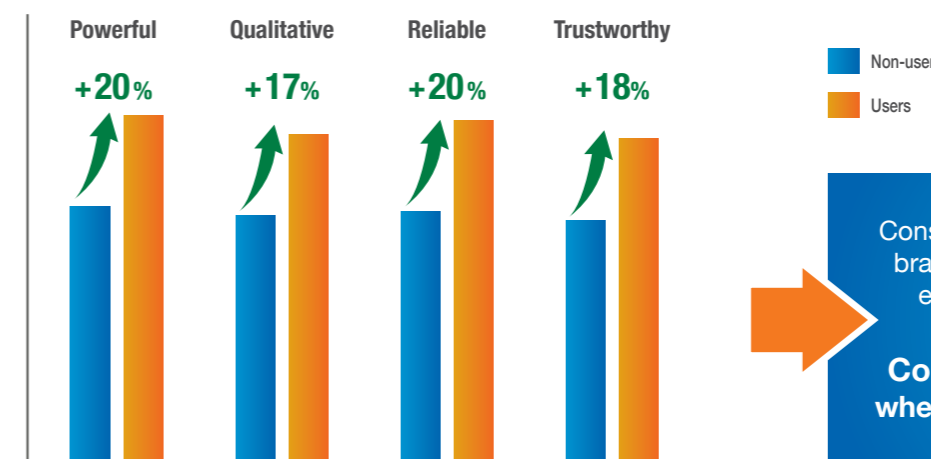
Research has shown that consumers have specific purchase behavior according to which products they buy. Some purchases are **planned** on beforehand (eg. toilet paper, milk, a car, etc.), some are **impulse** – you buy it because you are triggered in the store – (eg. candy, magazines, etc.) and some fit in the **reminder** category. This last category includes purchases that we know on beforehand we need to do, but we buy because we are triggered again in the store or on the webshop. It reminds you that you need this product. Batteries are found in this last category.



Where do people buy their alkaline batteries?



Panasonic Brand Values – users vs. non-users



Consumer research shows us that tested brand values score better once people effectively have tried our batteries.

Consumers are highly satisfied when they buy Panasonic batteries.

Source: PECE consumer/shopper researches 2009-2016



The Pinnacle of Alkaline Battery Technology

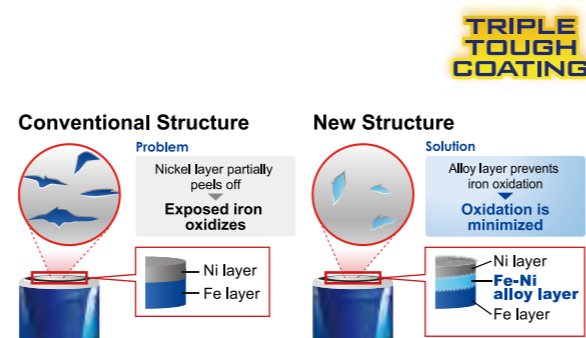
Panasonic EVOLTA and Alkaline cells are a better class of battery. Intensive research and development has yielded three unique technologies: Anti-Leak Protection to prevent damage to appliances, Triple Tough Coating to reduce contact resistance for greater reliability, and Extra Power Formula to maintain power for longer in high-drain devices. Our alkaline family has improved resistance to impact and short-circuit, and delivers high performance with industry-leading safety levels. For endurance and reliability in high-current applications, Panasonic is clearly the best choice.



No Poor Connections, No More Stress

Triple Tough Coating for a Smooth Energy Flow

In conventional batteries, contact resistance on the terminals can build up and cause the nickel layer to peel off and the battery to fail. Triple Tough Coating solves this with an iron/nickel-plated alloy on the positive and negative terminals that improves adhesion and reduces contact resistance. The result? Enhanced energy flow and longer life.



Protect Your Precious Things

Unique Gas-Suppression Technology

Panasonic Alkaline cells feature advanced Anti-Leak Protection that suppresses gas buildup when a battery is over-discharged or stored for a long period. Less pressure means less chance of structural failure and rupture, and protects your valuable devices from damage.



Panasonic Batteries Perform Best in Independent Leak Testing

Independent testing for battery leakage resistance conducted by leading certifications laboratory Intertek has proven Panasonic EVOLTA and Alkaline batteries are the most resistant to leaks in high-temperature, high-humidity conditions when the battery is in an unused state after a long period in storage.

* Tested by Intertek under specified high-temperature, high-humidity conditions. Panasonic interpreted results according to in-house standards.

Quality & Performance Mark for EVOLTA



Note: Alkaline battery also certified



For more information about Intertek testing, visit the Intertek website.

Store Batteries Safely for Up to 10 Years ⁽²⁾

You can depend on Panasonic Alkaline and EVOLTA batteries to retain high power performance even after very long periods in storage. High-quality materials work to prevent degradation while Anti-Leak Protection minimizes the chance of leakage to ensure long-life stability before use.

POWER PROTECTION FOR UP TO 10 YEARS IN STORAGE ⁽²⁾

⁽²⁾ Keeps energy for up to 10 years when not used (LR03 - LR6 - LR14 - LR20).

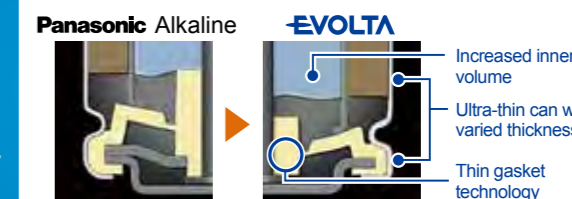
EVOLTA

EVOLTA's Technical Evolution

Structure Evolution

Advanced Structural Design

EVOLTA features an improved structure to reduce the bulk of the gasket and can. This provides more space for active ingredients for longer-lasting performance. A strong internal structure and tough outer coating has resulted in very high impact resistance with a lower rate of defective conductivity after dropping. Short-circuit protection reduces the chance of malfunction when polarities are accidentally reversed.



The Secret to Panasonic's N° 1 Performance



EVOLTA

The **EVOLTA** concept is a combination of “voltage” (power) and “evolution” – how our technology has grown to become preeminent in the industry. **EVOLTA** is not just the No.1 Panasonic battery; it consistently outperforms our competitors’ premium products in commonly accepted performance tests.



OUR No.1 LONGEST LASTING ALKALINE BATTERY (1)



POWER PROTECTION FOR UP TO 10 YEARS⁽¹⁾ IN STORAGE

⁽¹⁾ Keeps energy for up to 10 years when not used.

ANTI-LEAK PROTECTION⁽²⁾

⁽²⁾ If used correctly (see back side of blister)

Specifications:

STANDARD BLISTERS

Model N°	CSU EAN	Re-order N°	Batteries/Blister	Blisters/Carton	Cartons/Bundle	Bundles/Pallet
LR03EGE	5410853044840	LR03EGE/2BP	2	12	5	164
	5410853044871	LR03EGE/4BP	4	12	5	164
	5410853044826	LR03EGE/6BP 4+2F	6	12	-	410
LR6EGE	5410853044758	LR6EGE/2BP	2	12	5	114
	5410853044789	LR6EGE/4BP	4	12	5	114
LR14EGE	5410853045137	LR14EGE/2BP	2	12	5	75
LR20EGE	5410853045120	LR20EGE/2BP	2	12	5	40
6LR61EGE	5410853045144	6LR61EGE/1BP	1	12	5	84



Ability to remove either 2 or 4 batteries for easy storage. With perforated strip for easy opening.

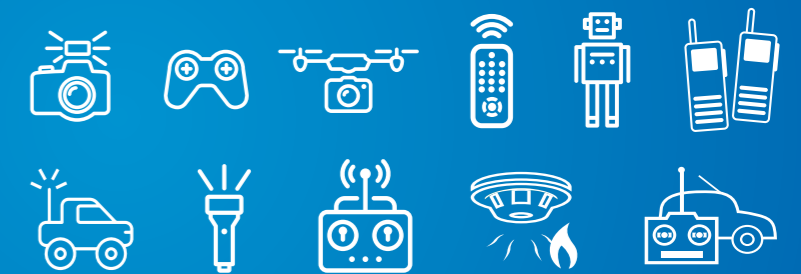
WIDE BLISTERS

Model N°	CSU EAN	Re-order N°	Batteries/Blister	Blisters/Carton	Cartons/Pallet
LR03EGE	5410853044796	LR03EGE/8BW 4+4F	8	12	360
	5410853044802	LR03EGE/8BW 6+2F	8	12	360
LR6EGE	5410853044734	LR6EGE/6BW 4+2F	6	12	216
	5410853044727	LR6EGE/8BW	8	12	256
	5410853044703	LR6EGE/8BW 4+4F	8	12	256
	5410853044710	LR6EGE/8BW 6+2F	8	12	256



High impact packaging with optimal product visibility & promotional message.

EVOLTA is most suitable for:



* Not all of the above appliances are suitable for all battery sizes. Please check packaging first.

Pro Power

The **PRO POWER** battery offers premium energy for your personal appliances. It is developed to provide reliable and dependable power, any place and any time.

With its very complete product line up, the **PRO POWER** battery is ideal for high and medium drain appliances.



**ADVANCED
LONG LASTING
ENERGY**



POWER PROTECTION 10 YEARS⁽¹⁾
FOR UP TO 10 YEARS IN STORAGE

⁽¹⁾ Keeps energy for up to 10 years when not used.



ANTI-LEAK PROTECTION⁽²⁾

⁽²⁾ If used correctly (see back side of blister)

Specifications:

STANDARD BLISTERS

Model N°	CSU EAN	Re-order N°	Batteries/ Blister	Blisters/ Carton	Cartons/ Bundle	Bundles/ Pallet
LR03PPG	5410853040125	LR03PPG/2BP	2	12	5	164
	5410853039006	LR03PPG/4BP	4	12	5	164
	5410853040156	LR03PPG/6BP 4+2F	6	12	-	410
LR6PPG	5410853039891	LR6PPG/2BP	2	12	5	114
	5410853038948	LR6PPG/4BP	4	12	5	114
	5410853039921	LR6PPG/6BP 4+2F	6	12	-	304
LR14PPG	5410853038917	LR14PPG/2BP	2	12	5	75
LR20PPG	5410853038887	LR20PPG/2BP	2	12	5	40
6LR61PPG	5410853038979	6LR61PPG/1BP	1	12	5	84
3LR12PPG	5410853039037	3LR12PPG/1BP	1	12	4	80



Ability to remove either 2 or 4 batteries for easy storage. With perforated strip for easy opening.

WIDE BLISTERS

Model N°	CSU EAN	Re-order N°	Batteries/ Blister	Blisters/ Carton	Cartons/ Pallet
LR03PPG	5410853040170	LR03PPG/8BW	8	12	360
	5410853040217	LR03PPG/8BW 4+4F	8	12	360
	5410853040194	LR03PPG/8BW 6+2F	8	12	360
	5410853048497	LR03PPG/10BW 6+4F	10	12	360
	5410853040231	LR03PPG/12BW	12	12	360
	5410853040255	LR03PPG/12BW 8+4F	12	12	360
LR6PPG	5410853039945	LR6PPG/8BW	8	12	256
	5410853039983	LR6PPG/8BW 4+4F	8	12	256
	5410853039969	LR6PPG/8BW 6+2F	8	12	256
	5410853048480	LR6PPG/10BW 6+4F	10	12	256
	5410853040002	LR6PPG/12BW	12	12	256
	5410853040026	LR6PPG/12BW 8+4F	12	12	256



High impact packaging with optimal product visibility & promotional message.

SPECIAL PACKS

Model N°	CSU EAN	Re-order N°	Batteries/ CSU	CSU's/ Carton	Cartons/ Pallet
LR03PPG	5410853049487	LR03PPG/24PD	24	12	160
	5410853058434	LR03PPG/30BB	30	12	-
LR6PPG	5410853049463	LR6PPG/24PD	24	12	96
	5410853058373	LR6PPG/30BB	30	12	-



Multiple use: in shelf, basket, underneath shelf.

PRO POWER is most suitable for:



* Not all of the above appliances are suitable for all battery sizes. Please check packaging first.

Everyday Power

Panasonic's **EVERYDAY POWER** battery is an ideal power solution for commonly used devices. It is formulated to provide reliable and dependable power. **EVERYDAY POWER** batteries have an excellent price versus quality ratio.



LONG LASTING ENERGY



POWER PROTECTION FOR UP TO 10 YEARS⁽¹⁾ IN STORAGE

⁽¹⁾ Keeps energy for up to 10 years when not used.

ANTI-LEAK PROTECTION⁽²⁾

⁽²⁾ If used correctly (see back side of blister)

Specifications:

STANDARD BLISTERS

Model N°	CSU EAN	Re-order N°	Batteries/ Blister	Blisters/ Carton	Cartons/ Bundle	Bundles/ Pallet
LR03EPS	5410853024750	LR03EPS/2BP	2	12	5	164
	5410853048077	LR03EPS/4BP	4	12	5	164
LR6EPS	5410853024705	LR6EPS/2BP	2	12	5	114
	5410853047964	LR6EPS/4BP	4	12	5	114
LR14EPS	5410853047827	LR14EPS/2BP	2	12	5	75
LR20EPS	5410853047810	LR20EPS/2BP	2	12	5	40
6LR61EPS	5410853047971	6LR61EPS/1BP	1	12	5	84



Ability to remove either 2 or 4 batteries for easy storage. With perforated strip for easy opening.

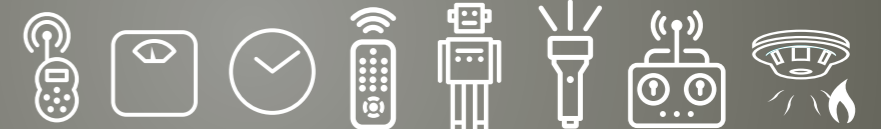
WIDE BLISTERS

Model N°	CSU EAN	Re-order N°	Batteries/ Blister	Blisters/ Carton	Cartons/ Pallet
LR03EPS	5410853048015	LR03EPS/8BW	8	12	360
	5410853050438	LR03EPS/8BW 4+4F	8	12	360
	5410853048008	LR03EPS/8BW 6+2F	8	12	360
	5410853049340	LR03EPS/10BW 6+4F	10	12	360
	5410853051770	LR03EPS/12BW	12	12	360
	5410853048039	LR03EPS/16BW	16	6	360
LR6EPS	5410853047889	LR6EPS/8BW	8	12	256
	5410853047858	LR6EPS/8BW 4+4F	8	12	256
	5410853047872	LR6EPS/8BW 6+2F	8	12	256
	5410853049326	LR6EPS/10BW 6+4F	10	12	256
	5410853051763	LR6EPS/12BW	12	6	256
	5410853047902	LR6EPS/16BW	16	6	256



High impact packaging with optimal product visibility.

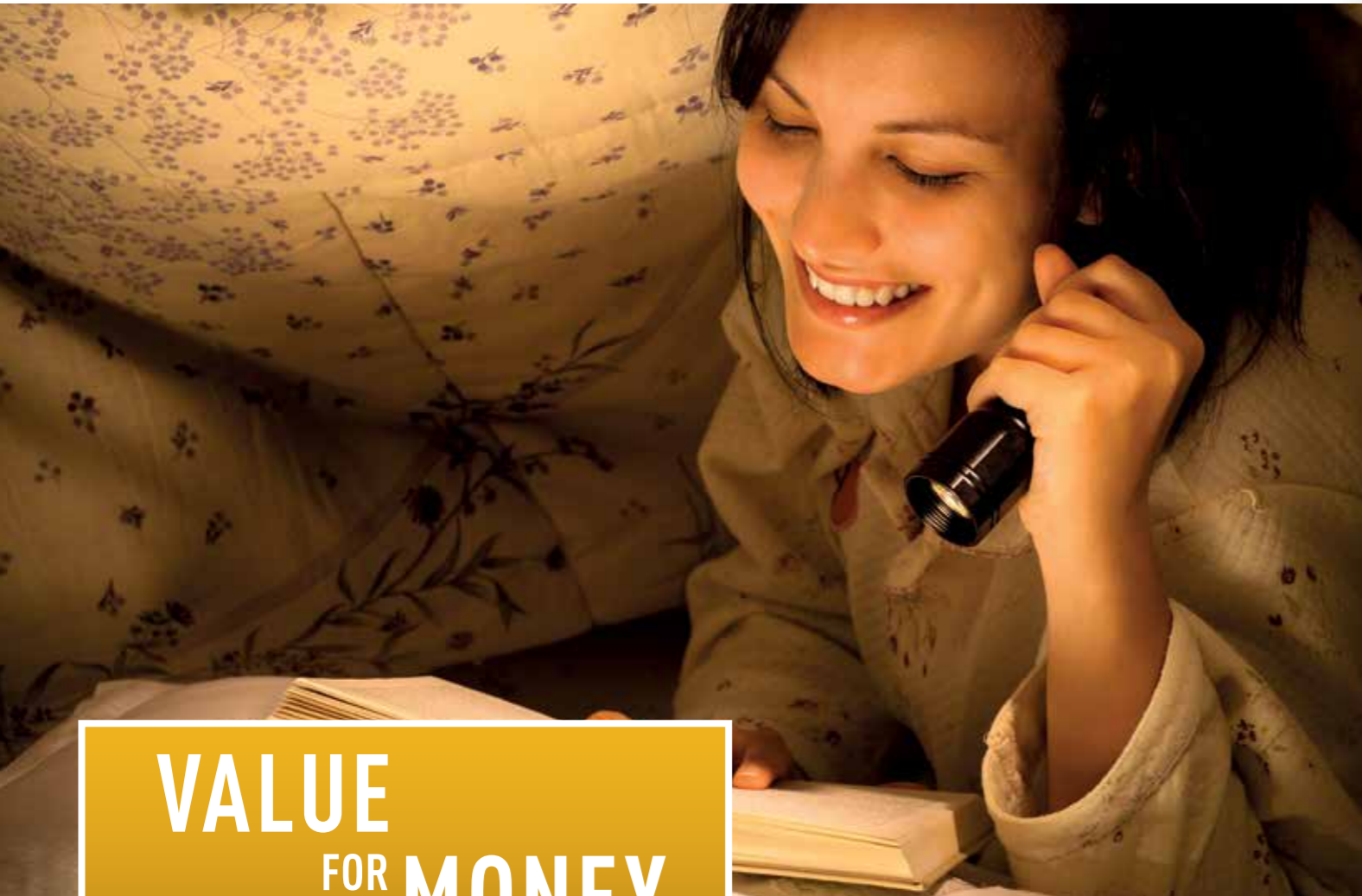
EVERYDAY POWER is most suitable for:



* Not all of the above appliances are suitable for all battery sizes. Please check packaging first.

Alkaline Power

Panasonic's **ALKALINE POWER** battery is a value for money solution for everyday appliances. It is formulated to provide reliable and dependable power, and has an excellent price versus quality ratio.



VALUE FOR YOUR MONEY



POWER PROTECTION FOR UP TO 7 YEARS⁽¹⁾ IN STORAGE

⁽¹⁾ Keeps energy for up to 7 years when not used.

ANTI-LEAK PROTECTION⁽²⁾

⁽²⁾ If used correctly (see back side of blister)

Specifications:

STANDARD BLISTERS

Model N°	CSU EAN	Re-order N°	Batteries/ Blister	Blisters/ Carton	Cartons/ Bundle	Bundles/ Pallet
LR03APB	5410853042907	LR03APB/2BP	2	12	5	164
	5410853039334	LR03APB/4BP	4	12	5	164
LR6APB	5410853042259	LR6APB/2BP	2	12	5	114
	5410853039273	LR6APB/4BP	4	12	5	114
LR14APB	5410853039242	LR14APB/2BP	2	12	5	75
LR20APB	5410853039211	LR20APB/2BP	2	12	5	40
6LR61APB	5410853039303	6LR61APB/1BP	1	12	5	84



Ability to remove either 2 or 4 batteries for easy storage. With perforated strip for easy opening.

WIDE BLISTERS

Model N°	CSU EAN	Re-order N°	Batteries/ Blister	Blisters/ Carton	Cartons/ Pallet
LR03APB	5410853042174	LR03APB/10BW	10	12	360
LR6APB	5410853042167	LR6APB/10BW	10	12	256



High impact packaging with optimal product visibility.

SHRINK PACKS

Model N°	CSU EAN	Re-order N°	Batteries/ Blister	Blisters/ Carton	Cartons/ Bundle	Bundles/ Pallet
LR03APB	5410853041290	LR03APB/8P	8	6	5	208
LR6APB	5410853041238	LR6APB/8P	8	6	5	144
LR14APB	5410853041320	LR14APB/4P	4	6	5	88
LR20APB	5410853041351	LR20APB/4P	4	6	5	48



Compact & value for money packaging format.

ALKALINE POWER is most suitable for:



* Not all of the above appliances are suitable for all battery sizes. Please check packaging first.

Zinc carbon

Red Zinc

Panasonic's **zinc carbon** batteries provide an economical power source for low drain devices.



Specifications:

STANDARD BLISTERS

Model N°	CSU EAN	Re-order N°	Batteries/ Blister	Blisters/ Carton	Cartons/ Bundle	Bundles/ Pallet
R03RZ	5410853032861	R03RZ/4BP	4	12	5	164
R6RZ	5410853032830	R6RZ/4BP	4	12	5	114
R14RZ	5410853032809	R14RZ/2BP	2	12	5	75
R20RZ	5410853032779	R20RZ/2BP	2	12	5	42
6F22RZ	5410853032892	6F22RZ/1BP	1	12	5	84
3R12RZ	5410853033134	3R12RZ/1BP	1	12	4	80



Ability to remove either 2 or 4 batteries for easy storage. With perforated strip for easy opening.

SHRINK PACKS

Model N°	CSU EAN	Re-order N°	Batteries/ Blister	Blisters/ Carton	Cartons/ Bundle	Bundles/ Pallet
R03RZ	5410853034889	R03RZ/4P	4	12	5	208
R6RZ	5410853034872	R6RZ/4P	4	12	5	114



Compact & value for money packaging format.

Panasonic's zinc carbon batteries provide an economical power source for low drain devices.

PRODUCT BENEFITS

- Simple and reliable technology.
- Excellent price versus quality ratio.
- Economical in terms of cost per hour for low drain appliances.
- Full and comprehensive product line up.
- No mercury and no lead added ⁽¹⁾

PACKAGING BENEFITS

- Convenience: easy to store, to open.
- Consumer guidance with clear product information.



R03RZ



R6RZ



R14RZ



R20RZ



6F22RZ



3R12RZ

(1) Only for R03RZ, R6RZ, R14RZ & R20RZ.

Ready to use

Stay Charged up to 1 year⁽¹⁾



For HEAVY users



For FREQUENT users



For OCCASIONAL users

Panasonic Rechargeable – Full range of ready to use⁽¹⁾

At purchase ⁽²⁾	After charging	After 365 days non-usage ⁽²⁾
<p>Ready to use</p> <p>80% 10%</p> <p>PANASONIC Rechargeables Regular Rechargeables</p>	<p>100% 100%</p> <p>PANASONIC Rechargeables Regular Rechargeables</p>	<p>Still ready to use</p> <p>80% 10%</p> <p>PANASONIC Rechargeables Regular Rechargeables</p>

STAY CHARGED 1 YEAR⁽²⁾

All ranges of Panasonic rechargeable are pre-charged and stay charged up to 365 days

All Panasonic rechargeable batteries are pre-charged and stay charged up to 365 days.⁽¹⁾

Consumer research shows that there are more product irritations on standard rechargeables⁽²⁾:

- Battery capacity wears out when not often used
- Rechargeable batteries need to be charged before use

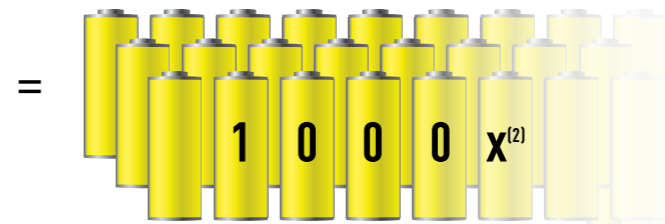
GREAT POTENTIAL FOR OUR READY TO USE RECHARGEABLE RANGE

(1) Max. 80% after recharge. Under domestic house storage condition. Exclude D/C/9V

(2) Insites research in UK, France, Germany and Poland - 2010



Rechargeable Ready to Use Battery*
*min.1900mAh



Alkaline Batteries

High capacity + more cycles = higher energy efficiency = less product disposal



EU Directive

Rechargeable batteries put on the market from July 2012 onwards must comply with the capacity marking requirements of the EU Battery Directive 2006/66 (as amended). This means that the capacity has to be measured according to international standards and clearly mentioned on any rechargeable battery sold. All of our Panasonic rechargeable batteries comply with this capacity marking Regulation because we are an honest and fully compliant supplier for your batteries.

(1) Max. 80% after recharge. Under domestic house storage condition. Exclude D/C/9V

(2) Test conditions – internal Panasonic testing IEC

RECHARGEABLE
EVOLTA

Ready to Use

min. 2450_{mAh} (AA) - 900_{mAh} (AAA)



FOR HEAVY USERS

Offers more power

	Min. capacity mAh	Cycle life	Self discharge after 1 year
AA	2,450 mAh	Up to 500 times	80 %
AAA	900 mAh	Up to 500 times	80 %



Specifications:

STANDARD BLISTERS	Model N°	CSU EAN	Batteries/Blister	Blisters/Carton	Cartons/Bundle
	HHR-3XXE/2BC	(P-6/2BC2450)	5410853050872	2	12
HHR-3XXE/4BC	(P-6/4BC2450)	5410853050865	4	12	5
HHR-4XXE/2BC	(P-03/2BC900)	5410853050896	2	12	5
HHR-4XXE/4BC	(P-03/4BC900)	5410853050889	4	12	5



HHR-3XXE



HHR-4XXE

EVOLTA RECHARGEABLE is most suitable for:



PRODUCT BENEFITS

- Ready to use: you can use them immediately after buying them
- Stay charged: after 1 year still up to 80% of the capacity remains without charging
- High capacity: up to 7x longer lasting than Alkaline*
- Combines 'ready to use' with 'high capacity' at the same time thanks to world Nr. 1 battery manufacturer technology
- Specially designed for consumers with a focus on power.
- Provide an ideal power solution for frequently used high drain applications.

UP TO 7X*
LONG LASTING VS. ALKALINE

* Vs Panasonic Alkaline Power in digital camera mode IEC. Depends on device and usage.

Ready to Use

min. **1900**_{mAh} (AA) - **750**_{mAh} (AAA)



**FOR
FREQUENT
USERS**



Offers more convenience

	Min. capacity mAh	Cycle life	Self discharge after 1 year
AA	1,900 mAh	Up to 1,000 times	80 %
AAA	750 mAh	Up to 1,600 times	80 %



Specifications:

STANDARD BLISTERS	Model N°	CSU EAN	Batteries/ Blister	Blisters/ Carton	Cartons/ Bundle
	HHR-1SRE/2B ⁽²⁾	(P-20/2BC2800)	5410853034520	2	6
HHR-2SRE/2B ⁽²⁾	(P-14/2BC2800)	5410853034537	2	12	5
HHR-3MVE/2BC	(P-6/2BC1900)	5410853045243	2	12	5
HHR-3MVE/4BC	(P-6/4BC1900)	5410853045250	4	12	5
HHR-3MVE/4B1	(P-6/4BC1900 3+1)	5410853045991	4	12	5
HHR-4MVE/2BC	(P-03/2BC750)	5410853045267	2	12	5
HHR-4MVE/4BC	(P-03/4BC750)	5410853045274	4	12	5
HHR-4MVE/4B1	(P-03/4BC750 3+1)	5410853046004	4	12	5



HHR-3MVE



HHR-4MVE

Most suitable for:



PRODUCT BENEFITS

- Ready to use: you can use them immediately after buying them
- Stay charged: after 1 year still up to 80% of the capacity remains without charging
- Combines the convenience of a disposable battery with the performance and cost benefits of a rechargeable battery
- Offers consumers a convenient battery range to meet all their needs
- Ideal for the frequent rechargeable battery user

**STAY
CHARGED
AFTER
1 YEAR⁽¹⁾**

(1) Max. 80% after recharge. Under domestic house storage condition.

(2) All Panasonic rechargeable batteries are pre-charged and stay charged up to 365 days. Exclude D / C.

Ready to Use

min. **1000_{mAh}** (AA) and telephone batteries



FOR OCCASIONAL USERS



HHR-3LVE

Most suitable for:



Offers more economies

Ready to Use 1000

	Min. capacity mAh	Cycle life	Self discharge after 1 year
AA	1,000 mAh	Up to 2,100 times	80 %

DECT batteries

	Min. capacity mAh	Cycle life	Self discharge after 1 year
AA	1,000 mAh	Up to 2,100 times	80%
AAA	750 mAh	Up to 1,600 times	80%



Specifications:

STANDARD BLISTERS	Model N°		CSU EAN	Batteries/ Blister	Blisters/ Carton	Cartons/ Bundle
	HHR-3LVE/2BC	(P-6/2BC1000 DECT)	5410853046011	2	12	5
	HHR-3LVE/4BC	(P-6/4BC1000)	5410853045304	4	12	5
	HHR-4MVE/2BD	(P-03/2BC750 DECT)	5410853045359	2	12	5
	HHR-4MVE/3BD	(P-03/3BC750 DECT)	5410853045366	3	12	5

PRODUCT BENEFITS READY TO USE 1000

- Ready to use: You can use them immediately after buying them
- Stay charged: after 1 year still up to 80% of the capacity remains without charging
- Ideal for the frequent rechargeable battery user
- Long cycle life: up to 2,100 cycles

PRODUCT BENEFITS DECT BATTERIES

- Providing an ideal power solution for cordless communication appliances
- Packaging quantities in blister adapted to most frequently used appliances such as DECT phones or walkie talkies

High Capacity for High Drain Devices

Avg. Ni-MH 2700 - Ni-MH 1000



Offers more convenience

	Min. capacity mAh	Cycle life
AA	2,500 mAh	Up to 300 times
AAA	930 mAh	Up to 300 times



Specifications:

STANDARD BLISTERS	Model N°		CSU EAN	Batteries/ Blister	Blisters/ Carton	Cartons/ Bundle
	BK-3HGAE/2BE	AA		5410853052791	2	12
BK-3HGAE/4BE	AA		5410853052807	4	12	5
BK-4HGAE/2BE	AAA		5410853052821	2	12	5
BK-3HGAE/BF1	AA		5410853052777	1	500	N/A
BK-4HGAE/BF1	AAA		5410853052814	1	500	N/A

FOR HIGH DRAIN APPLIANCES



BK-3HGAE



BK-4HGAE

HIGH CAPACITY BATTERIES are most suitable for:



PRODUCT BENEFITS

- With its high capacity, our high capacity rechargeable battery is the ideal rechargeable battery for high drain appliances
- Excellent price versus quality ratio

HIGH CAPACITY



*Panasonic internal IEC61951-2(7.3.2) testing (varies according to conditions of use)

CHARGERS

5 YEAR WARRANTY

HEAVY USERS

Smart & Quick charger – BQ CC55

- Rapid charge
- Individual management/charge control ('Smart Charge')
- Can be used all over the world (100-240 V)
- Case color: white



Item	Specifications
Input	AC100-240V 50-60Hz
Input part Structure	Fixed plug
Charging control	Smart Charge ¹ / -ΔV / Timer
Indicator	LED x 4 Charging: ON, Fully charged: OFF
Charger battery	AA x 1, 2, 3, 4 / AAA x 1, 2, 3, 4 cells
Charging time ²	AA: Approx 1.5 hours / 3 hours [2,000 mAh] AAA: Approx 1.5 hours / 3 hours [800 mAh]
Charger size (W x H x D)	68 x 120 x 55 mm
Weight	with EU-plug: 124 g - with UK-plug: 132 g

¹This charger has "Smart Charge" function which checks voltage and temperature of battery automatically. Thanks to Smart Charge function, it saves time of charging and loss of energy & money.

FREQUENT USERS

Advanced charger – BQ CC17

- Can charge AA / AAA 4 cells
- Can be used all over the world (100-240 V)
- Individual management/-ΔV Control
- Case color: white



Item	Specifications
Input	AC 100-240 V 50-60 Hz
Input part Structure	Plug-in and attachment plug
Charging control	-ΔV /Timer
Indicator	LED x 4 Charging: ON, Fully charged: OFF
Charger battery	AA x 1, 2, 3, 4 / AAA x 1, 2, 3, 4 cells
Charging time ²	AA: Approx 7h [2,000 mAh]; AAA: Approx 6h [800 mAh]
Charger size (W x H x D)	65 x 115 x 55 mm
Weight	107,4 g

OCCASIONAL USERS

Basic charger – BQ CC51

- Can charge AA / AAA 2 or 4 cells
- Can be used all over the world (100-240 V)
- Timer control
- Case color: white



Item	Specifications
Input	AC 100-240 V 50-60 Hz
Input part Structure	Fixed plug
Charging control	Timer cut (13 hours)
Indicator	LED x 2 Charging: ON, Fully charged: OFF
Charger battery	AA x 2, 4 / AAA x 2, 4 cells
Charging time ²	AA: Approx 10 hours; AAA: Approx 10 hours
Charger size (W x H x D)	66 x 108 x 55 mm
Weight	with EU-plug: 100 g - with UK-plug: 108 g

(2) AA 4 cells.

PRODUCT BENEFITS

- Improved consumer communication, designed to aid product rotation
- Clear time indications and features
- A free 5 year warranty for added reassurance
- All chargers have lead-free soldering, less harmful for the environment
- Worldwide compatibility
- Safety: non rechargeable detection
- LED Timer ready indication
- For all Ni-MH batteries

ENTRY USERS

Compact charger – BQ CC50

- Can charge AA / AAA 2 cells
- Can be used all over the world (100-240 V)
- Safety timer: max. 13h
- Case color: white



Item	Specifications
Input	AC 100-240 V 50-60 Hz
Input part Structure	Fixed plug
Charging control	Timer cut (13 hours) Individual
Indicator	LED x 2 Charging: ON, Fully charged: OFF
Charger battery	AA x 1, 2 / AAA x 1, 2 cells
Charging time ³	AA: Approx 10 hours; AAA: Approx 10 hours
Charger size (W x H x D)	50 x 121 x 65 mm
Weight	with EU-plug: 86 g - with UK-plug: 96 g

MULTI BATTERY TYPES

Universal charger – BQ CC15

- Can charge AA / AAA / C / D 1-4 cells
- Can charge 9V 1-2 cells
- Can be used all over the world (100-240 V)
- Automatic switch-off when charged (DeltaV)
- Case color: white



Item	Specifications
Input	AC 100-240 V 50-60 Hz
Input part Structure	AC cable
Charging control	Timer cut (13 hours) Individual
Indicator	LED x 2 Charging: ON, Fully charged: OFF
Charger battery	AA x 1-4 / AAA x 1-4 / C x 1-4 / D x 1-4 / 9V x 1-2 cells
Charging time ²	AA: Approx 10 hours; AAA: Approx 10 hours
Charger size (W x H x D)	110 x 200 x 55 mm
Weight	with EU-plug: 489 g - with UK-plug: 499 g

Specifications:

Charger	Kit	Batteries included in kit	CSU EAN	Charger size (mm) (W x H x D)	Blister size (mm) (W x H x D)	Blisters/ Carton
BQ-CC55	K-KJ55MGD40E	4x P6 1900	5410853057789	68 x 120 x 55	109 x 230 x 76	8
BQ-CC55	K-KJ55MGD40U	4x P6 1900	5410853057802	68 x 120 x 55	109 x 230 x 76	8
BQ-CC17	K-KJ17MGD40E	4x P6 1900	5410853057796	70 x 115 x 55	105 x 230 x 66	8
BQ-CC51	K-KJ51MGD42E	4x P6 1900 / 2x P03 750	5410853056973	66 x 108 x 55	105 x 230 x 66	8
BQ-CC51	K-KJ51MGD40U	4x P6 1900	5410853057819	66 x 108 x 55	105 x 230 x 66	8
BQ-CC50	K-KJ50LGA20E	2x P6 1900	5410853056966	52 x 121 x 65	105 x 230 x 66	8
BQ-CC15	BQ-CC15E	-	5025232672141	110 x 200 x 55	130 x 265 x 75	8

(3) AA 2 cells.

COIN LITHIUM

DESIGNED TO PROVIDE
RELIABLE AND
LONG LASTING
POWER

FOR **LONG LASTING**
POWER



Specifications:

Model N°	CSU EAN	Re-order N°	Batteries/ Blister	Blisters/ Innercarton	Innecartons/ Bundle
CR1025	5410853010227	CR-1025EL/1B	1	12	10
CR1216	5410853010210	CR-1216EL/1B	1	12	10
CR1220	5019068085091	CR-1220EL/1B	1	12	10
CR1616	5019068085107	CR-1616EL/1B	1	12	10
CR1620	5025232068258	CR-1620EL/1B	1	12	10
CR1632	5410853038320	CR-1632EL/1B	1	12	10
CR2012	5410853038450	CR-2012EL/1B	1	12	10
CR2016	5019068085114	CR-2016EL/1B	1	12	10
	5025232060665	CR-2016EL/2B	2	12	10
	5410853059028	CR-2016EL/4B	4	12	10
	5410853043812	CR-2016EL/6BP	6	20	5
CR2025	5019068085121	CR-2025EL/1B	1	12	10
	5025232060672	CR-2025EL/2B	2	12	10
	5410853059035	CR-2025EL/4B	4	12	10
	5410853043829	CR-2025EL/6BP	6	20	5
CR2032	5019068085138	CR-2032EL/1B	1	12	10
	5025232060689	CR-2032EL/2B	2	12	10
	5410853058663	CR-2032EL/4B	4	12	10
	5410853043836	CR-2032EL/6BP	6	20	5
CR2354	5410853038481	CR-2354EL/1B	1	12	10
CR2430	5410853012313	CR-2430EL/1B	1	12	10
CR2450	5410853014355	CR-2450EL/1B	1	12	10



New space saving blister size still with maximum information on it.
Individual perforations on the 4BP and 6BP for each of the 4 or 6 batteries.

COIN LITHIUM
is most suitable for:



PRODUCT BENEFITS

- A long shelf life of up to 10 years.
- Reliable even in a wide range of operating temperatures (-30°C to +60°C).
- Extensive cross reference table on the blister.
- No mercury added



Panasonic coin
lithium batteries have
0% mercury added

CYLINDRICAL LITHIUM



FOR LIGHT WEIGHT
APPLIANCES
THAT NEED POWER



CR2

CR123

2CR5

CRP2

COMBINES
VERY LIGHT
WEIGHT MATERIAL
WITH LITHIUM TECHNOLOGY

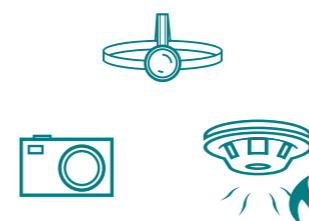
Specifications:

Model N°	CSU EAN	Re-order N°	Batteries/ Blister	Blisters/ Innecarton	Innecartons/ Bundle
CR2	5025232016082	CR-2L/1BP	1	10	10
	5410853013464	CR-2L/2BP	2	10	10
CR123	5410853017097	CR-123AL/1BP	1	10	10
	5410853017110	CR-123AL/2BP	2	10	10
2CR5	5410853017158	2CR-5L/1BP	1	10	10
CRP2	5410853017134	CR-P2L/1BP	1	10	10

With perforated strip for easy opening.



CYLINDRICAL LITHIUM
is most suitable for:



PRODUCT BENEFITS

- Low internal resistance to provide rapid flash recovery time and quick shooting.
- A long shelf life up to 10 years
- Reliable even in a wide range of operating temperatures (-40°C to +70°C)

MICRO ALKALINE



FOR **SMALL**
APPLIANCES
WITH LONG LASTING POWER



LR44



LR1130



LRV08



LR1

DESIGNED
TO PROVIDE **RELIABLE** AND
LONG LASTING
POWER

Specifications:

BLISTERS	Model N°	CSU EAN	Re-order N°	Batteries/ Blister	Blisters/ Innecarton	Innecartons/ Bundle
	LR44	5019068083035	LR-44EL/1B	1	12	10
		5410853018469	LR-44EL/2B	2	12	10
		5410853049135	LR-44L/6BP	6	20	-
	LR1130	5019068083011	LR-1130EL/1B	1	12	10
	LRV08	5410853057345	LRV08L/1BE	1	10	10
		5410853057376	LRV08L/2BE	2	10	10
	LR1	5019068592551	LR1L/1BE	1	10	10



MICRO ALKALINE
is most suitable for:



PRODUCT BENEFITS

- Excellent price versus quality ratio
- Extensive cross reference table on the blister
- No mercury added



Panasonic micro
alkaline batteries have
0% mercury added

SILVER OXIDE



**FOR SMALL
HIGH DRAIN
APPLIANCES**



DESIGNED TO OFFER **HIGH PERFORMANCE**
IN A **WIDE VARIETY** OF APPLIANCES

Specifications:

Model N°	CSU EAN	Re-order N°	Batteries/ Blister	Blisters/ Innecarton	Innecartons/ Bundle
SR521	5410853035466	SR-521EL/1B	1	12	10
SR616	5410853035473	SR-616EL/1B	1	12	10
SR621	5410853035480	SR-621EL/1B	1	12	10
SR626	5410853035497	SR-626EL/1B	1	12	10
SR721	5410853035503	SR-721EL/1B	1	12	10
SR920	5410853035527	SR-920EL/1B	1	12	10
SR927	5410853035534	SR-927EL/1B	1	12	10
SR936	5410853035541	SR-936EL/1B	1	12	10
SR1130	5410853035428	SR-1130EL/1B	1	12	10
SR41	5410853035435	SR-41EL/1B	1	12	10
SR44	5410853013976	SR-44EL/1B	1	12	10
4SR44	5410853013990	4SR44L/1BP	1	10	10



Panasonic silver oxide batteries have 0% mercury added

New space saving blister size, still with maximum information on it.

SILVER OXIDE is most suitable for:



PRODUCT BENEFITS

- High performance batteries for various types of watches and other small electronics.
- Wide range available on blister.
- Extensive cross reference table on the blister.
- No mercury added

ZINC AIR



FOR **HEARING AID**



PR10



PR13



PR312



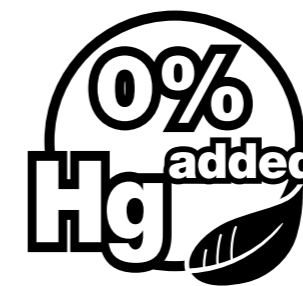
PR675

NO MERCURY ADDED

Specifications:

BLISTERS	Model N°	CSU EAN	Re-order N°	Batteries/ Blister	Blisters/ Innercarton	Innercartons/ Bundle
	PR10 (PR230/PR536)	5410853057024	PR-10L/6LB	6	10	5
	PR13 (PR48)	5410853057017	PR-13/6LB	6	10	5
	PR312 (PR41)	5410853057031	PR-312/6LB	6	10	5
	PR675 (PR44)	5410853057048	PR-675/6LB	6	10	5

Compact sized blisters. Easy to stow away; fits in purse or wallet.



Panasonic zinc air batteries have 0% mercury added

ZINC AIR is suitable for:



PRODUCT BENEFITS

- No mercury added.
- Ideal for new generation digital hearing aids.
- Comfortable, light and providing a steady level of power for hearing enhancement equipment.
- Reliable power in various temperature conditions.

PACKAGING BENEFITS

- Convenience: easy to store, to open, to choose.
- Consumer guidance with clear product information.
- Attractive design

DISPLAYS

Appearance in a retail shop is very important. It is not sufficient that the product is good and qualitative, it must also be appealing to the eye. That's where displays come in. Attractive displays help sell the products and so they are definitely worth the investment. Panasonic has a wide range of carton & permanent displays with focus on benefits for both consumers and trade.



CARTON PROMOTIONAL COUNTER DISPLAYS

Codis Counter display



PRODUCT BENEFITS & CHARACTERISTICS

- Basic counter display
- Pre-filled
- Suitable for different types of packaging

TECHNICAL SPECIFICATIONS

Height	120 mm
Width	190 mm
Depth	390 mm
Topcard dimensions	H 150 x W 170 mm
Net weight ¹	0.139 kg
# product facings	N.A.
Max. # AA/8BW	30

Codis F2 Counter display



PRODUCT BENEFITS & CHARACTERISTICS

- Very compact counter display
- Pre-filled
- Stackable
- Tear off lid

TECHNICAL SPECIFICATIONS

Height	120 mm
Width	180 mm
Depth	185 mm
Topcard dimensions	N.A.
Net weight ¹	0.103 kg
# product facings	1 (2 if 4BP)
Max. # AA/8BW	12

Codis F4 Counter display



PRODUCT BENEFITS & CHARACTERISTICS

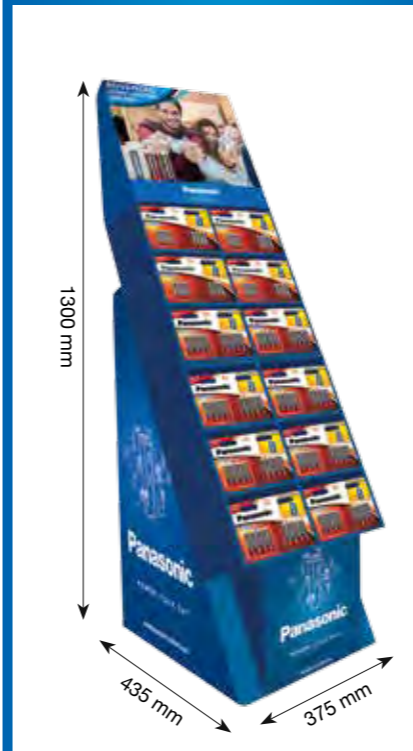
- Qualitative counter display
- Flip up topcard
- Pre-filled
- Excellent product visibility & accessibility

TECHNICAL SPECIFICATIONS

Height incl. topcard	265 mm
Width	375 mm
Depth	190 mm
Topcard dimensions	H 141 x W 375 mm
Net weight ¹	0.175 kg
# product facings	2
Max. # AA/8BW	24

CARTON PROMOTIONAL FLOOR DISPLAYS

12W Pop up Floor display



PRODUCT BENEFITS & CHARACTERISTICS

- Compact, modern display
- Pop up foot & flip up topcard
- Pre-filled
- Easy to mount / fast setup
- Excellent product visibility & accessibility
- Less waste (only carton materials)
- PALLET WITH DISPLAYS FITS IN A CAR

TECHNICAL SPECIFICATIONS

Height incl. topcard	1300 mm
Width	375 mm
Depth	435 mm
Topcard dimensions	H 340 x W 375 mm
Net weight ¹	3.25 kg
# product facings	12
# trays	2
Max. # AA/8BW	108
# displays / pallet	12

15W Floor display



PRODUCT BENEFITS & CHARACTERISTICS

- Qualitative display
- Flip up topcard
- Pre-filled and mounted
- Less handling
- Excellent product visibility & accessibility
- Less waste (only carton materials)
- 100% READY TO SELL

TECHNICAL SPECIFICATIONS

Height incl. topcard	1626 mm
Width	600 mm
Depth	400 mm
Topcard dimensions	H 320 x W 585 mm
Net weight ¹	4.6 kg
# product facings	15
# trays	0
Max. # AA/8BW	216
# displays / pallet	4

CFD Floor display



PRODUCT BENEFITS & CHARACTERISTICS

- Compact high volume display
- Pre-filled and mounted
- Suitable for different types of packaging
- Less waste (only carton materials)

TECHNICAL SPECIFICATIONS

Height incl. topcard	1550 mm
Width	400 mm
Depth	600 mm
Topcard dimensions	H 400 x W 395 mm
Net weight ¹	2.7 kg
# product facings	N.A.
# trays	4 or 6
Max. # AA/8BW	from 196 to 294
# displays / pallet	4

(1) Displays weight is excluding display filling.

NOTE: Display types may differ from country to country. Please contact your local representative/dealer.

PRODUCT BENEFITS FOR METAL PERMANENT DISPLAYS

- Attractive design with battery shaped top
- Uniform design with Panasonic carton displays
- Lightweight
- Easy mounting in store
- Excellent quality



METAL COUNTER DISPLAYS

6H / 6H Anti-theft Counter display



TECHNICAL SPECIFICATIONS	
Height	664 mm
Width	244 mm
Depth	150 mm
Net weight ¹	3.2 kg
N° of hooks	6 fixed
Hook length	20 cm
Max # AA/4BP per hook	13
Max # AAA/4BP per hook	16
Max # C/2BP per hook	5
Max # D/2BP per hook	4
Max # 9V/1BP per hook	16
For single blisters & wideblisters	

9H Counter display



TECHNICAL SPECIFICATIONS	
Height	664 mm
Width	342 mm
Depth	150 mm
Net weight ¹	3.7 kg
N° of hooks	9 fixed
Hook length	20 cm
Max # AA/4BP per hook	13
Max # AAA/4BP per hook	16
Max # C/2BP per hook	5
Max # D/2BP per hook	4
Max # 9V/1BP per hook	16
For single blisters & wideblisters	

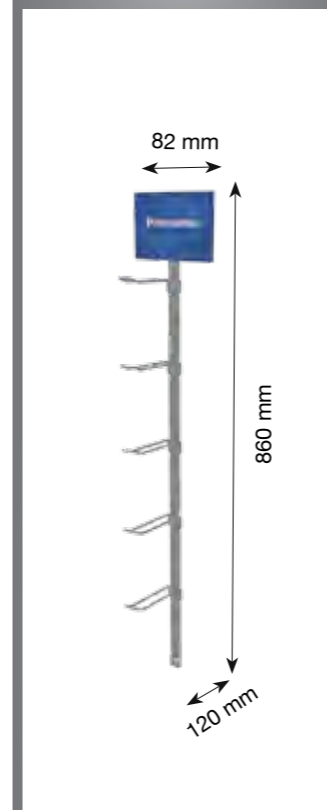
12H Counter display



TECHNICAL SPECIFICATIONS	
Height	820 mm
Width	342 mm
Depth	150 mm
Net weight ¹	4.2 kg
N° of hooks	12 fixed
Hook length	20 cm
Max # AA/4BP per hook	13
Max # AAA/4BP per hook	16
Max # C/2BP per hook	5
Max # D/2BP per hook	4
Max # 9V/1BP per hook	16
For single blisters & wideblisters	

HANG DISPLAY

5H strip



TECHNICAL SPECIFICATIONS	
Height	800 mm
Width	150 mm
Depth	120 mm
Net weight ¹	1.7 kg
N° of hooks	5 fixed
Hook length	12 cm
Max # AA/4BP per hook	10
Max # AAA/4BP per hook	6
Max # C/2BP per hook	3
Max # D/2BP per hook	2
Max # 9V/1BP per hook	6
For single blisters only	

8H Magn. sidehanger



TECHNICAL SPECIFICATIONS	
Height	643 mm
Width	200 mm
Depth	219 mm
Net weight ¹	3.5 kg
N° of hooks	8 fixed
Hook length	20 cm
Max # AA/4BP per hook	13
Max # AAA/4BP per hook	16
Max # C/2BP per hook	7
Max # D/2BP per hook	5
Max # 9V/1BP per hook	11
For single blisters only	

METAL FLOOR DISPLAYS

28H Floor display



TECHNICAL SPECIFICATIONS	
Height	2030 mm
Width	502 mm
Depth	320 mm
Net weight ¹	25.5 kg
N° of hooks	28 fixed
Hook length	30 cm
Max # AA/4BP per hook	20
Max # AAA/4BP per hook	24
Max # C/2BP per hook	8
Max # D/2BP per hook	7
Max # 9V/1BP per hook	24
For single blisters & wideblisters	

40H Floor display



TECHNICAL SPECIFICATIONS	
Height	2030 mm
Width	600 mm
Depth	355 mm
Net weight ¹	31 kg
N° of hooks	40 fixed
Hook length	30 cm
Max # AA/4BP per hook	20
Max # AAA/4BP per hook	24
Max # C/2BP per hook	8
Max # D/2BP per hook	7
Max # 9V/1BP per hook	24
For single blisters & wideblisters	

(1) Displays are delivered empty. Weight is excluding display filling.

NOTE: Display types may differ from country to country. Please contact your local representative/dealer.

Alkaline

PANASONIC	DURACELL	ENERGIZER	VARTA	KODAK	RAYOVAC	SONY	OTHERS
LR03	MN2400	E92	4003	K3A	824	AM4	AAA
LR6	MN1500	E91	4006	KA	815	AM3	AA
LR14	MN1400	E93	4014	KC	814	AM2	C
LR20	MN1300	E95	4020	KD	813	AM1	D
6LR61	MN1604	522	4022	K9V	A1604	AM6	9V
3LR12	MN1203	-	4012	-	-	-	4.5V

Zinc Carbon

PANASONIC	ENERGIZER	VARTA	KODAK	MAXELL	RAYOVAC
R03	A91	R03	K3A	R03P(AB)	3AAA
R6	A92	R6	KA	R6P	5Aw
R14	A93	R14	KC	R14P	4C
R20	A95	R20	KD	R20P	6D
6F22	A522	6F22	K9V	-	D1604

Rechargeable

PANASONIC	DURACELL	ENERGIZER	VARTA	PHILIPS	MEMOREX
HHR4 (P03)	HR03	RX03	5003	NCR03P	HR03
HHR3 (P6)	HR6	RX6	5006	NCR6P	HR6
HHR2 (P14)	HR14	RC14S	5014	NCR14P	HR14
HHR1 (P20)	HR20	RC20S	5020	NCR20P	HR20
HHR9 (P22)	HR22	-	-	6NCR22P	9V

Coin Lithium

PANASONIC	DURACELL	ENERGIZER	VARTA	KODAK	OTHERS
CR1025	DL1025	CR1025	-	-	-
CR1216	DL1216	CR1216	CR1216	-	-
CR1220	DL1220	CR1220	CR1220	-	-
CR1616	DL1616	CR1616	CR1616	-	-
CR1620	DL1620	CR1620	CR1620	-	-
CR1632	-	CR1632	-	-	-
CR2012	-	-	-	KCR2012	-
CR2016	DL2016	CR2016	CR2016	KCR2016	LM2016
CR2025	DL2025	CR2025	CR2025	KCR2025	LM2025
CR2032	DL2032	CR2032	CR2032	KCR2032	LM2032
CR2354	-	-	-	KCR2354	-
CR2430	DL2430	CR2430	CR2430	KCR2430	LM2430
CR2450	DL2450	CR2450	CR2450	KCR2450	-

Cylindrical Lithium

PANASONIC	DURACELL	ENERGIZER	VARTA	KODAK	IEC
CR2	DL CR2	CR2	CR2	KCR2	CR17355
CR123	DL 123A	EL CR123AP	CR123	K123LA	CR17345
2CR5	DL 245	EL 2CR5	2CR5	KL2CR5	2CR5
CRP2	DL 223A	EL 223AP	CRP2	KCRP2A	CRP2

Micro Alkaline

PANASONIC	DURACELL	ENERGIZER	VARTA	PHILIPS	KODAK	RAYOVAC	MAXELL	SONY	IEC
LR44	LR44	A76	V13GA	A76	KA76	RW82	LR44	-	LR44
LR1130	LR54	189	V10GA	-	KA54	RW89	-	-	-
LRV08	MN21	E23A	V23GA	8LR932	K23A	23A-SP1	-	-	8LR932
LR1	MN9100	E90	4001	LR1	KN	LR01 (801)	LR1	AM5	LR1

Silver Oxide

PANASONIC	DURACELL	ENERGIZER	VARTA	KODAK	MAXELL	RAYOVAC	IEC
SR516	D317	317	V317	-	SR516SW	317 (RW326)	-
SR521	D379	379	V379	-	SR521SW	379 (RW327)	SR63
SR616	D321	321	V321	-	SR616SW	321 (RW321)	SR65
SR621	D364	364	V364	-	SR621SW	364 (RW320)	SR60
SR626	D377	377	V377	-	SR626SW	377 (RW329)	SR66
	D376	376	V376	-	SR626W	-	-
SR721	D362	362	V362	-	SR721SW	362 (RW310)	SR58
	D361	361	V361	-	SR721W	361 (RW410)	-
SR726	D397	397	V397	-	SR726SW	397 (RW311)	SR59
SR920	D371	371	V371	-	SR920SW	371 (RW315)	SR69
	D370	370	V370	-	SR920W	370 (RW415)	-
SR927	D395	395	V395	-	SR927SW	395 (RW313)	SR57
	D399	399	V399	-	SR927W	399 (RW413)	-
SR936	D394	394	V394	-	SR936SW	394 (RW33)	SR45
SR1120	D391	391	V391	-	SR1120SW	391 (RW40)	SR55
	D381	381	V381	-	SR1120W	381 (RW30)	-
SR1130	D390	390	V390	-	SR1130SW	390 (RW39)	SR54
	D389	389	V389	-	SR1130W	389 (RW49)	-
SR41	D384	384	V384	-	SR41SW	384 (RW37)	SR41
	D392	392	V392	-	SR41W	392 (RW47)	-
SR44	D357	EPX76	V76PX	KS76	SR44	357	SR44
4SR44	PX28	544	V28PX	KS28	-	RPX28	4SR44

Zinc Air

PANASONIC	DURACELL	ENERGIZER	VARTA	MAXELL	RAYOVAC
PR10(230)	DA230	230AP	V230A	-	10AE
PR13	DA13	13AP	V13A	EP13E	13AE
PR312	DA312	312AP	V312A	EP312E	312AE
PR675	DA675	675AP	V675A	EP675E	675AE
PR675	-	EP675E	-	675AP	-

Evolta

Model N°	Size		Technology	Voltage (V)	Height (mm)	Diameter (mm)	Weight (g)	Shelf life (years)
LR03EGE	S	AAA	Alkaline	1.5	44.5	10.5	11.4	10
LR6EGE	M	AA	Alkaline	1.5	50.5	14.5	23.1	10
LR14EGE	L	C	Alkaline	1.5	50.0	25.7	68.7	10
LR20EGE	XL	D	Alkaline	1.5	61.5	33.6	140.9	10
6LR61EGE	9V	9V	Alkaline	9	47.5	25.25 x 16.3	43.3	5

Pro Power

Model N°	Size		Technology	Voltage (V)	Height (mm)	Diameter (mm)	Weight (g)	Shelf life (years)
LR03PPG	S	AAA	Alkaline	1.5	44.5	10.5	11.4	10
LR6PPG	M	AA	Alkaline	1.5	50.5	14.5	23.1	10
LR14PPG	L	C	Alkaline	1.5	50	25.7	68.7	10
LR20PPG	XL	D	Alkaline	1.5	61.5	33.6	140.9	10
6LR61PPG	9V	9V	Alkaline	9	47.5	25.25 x 16.3	43.3	5
3LR12PPG	-	-	Alkaline	4.5	67	62 x 22	163	5

Everyday Power

Model N°	Size		Technology	Voltage (V)	Height (mm)	Diameter (mm)	Weight (g)	Shelf life (years)
LR03EPS	S	AAA	Alkaline	1.5	44.5	10.5	10.8	10
LR6EPS	M	AA	Alkaline	1.5	50.5	14.5	23.1	10
LR14EPS	L	C	Alkaline	1.5	50	25.7	66.6	10
LR20EPS	XL	D	Alkaline	1.5	61.5	33.6	136.5	10
6LR61EPS	9V	9V	Alkaline	9	47.5	25.25 x 16.3	42.9	5

Alkaline Power

Model N°	Size		Technology	Voltage (V)	Height (mm)	Diameter (mm)	Weight (g)	Shelf life (years)
LR03APB	S	AAA	Alkaline	1.5	44.5	10.5	10.8	5
LR6APB	M	AA	Alkaline	1.5	50.5	14.5	22.8	5
LR14APB	L	C	Alkaline	1.5	50	25.7	66.6	5
LR20APB	XL	D	Alkaline	1.5	61.5	33.6	136.5	5
6LR61APB	9V	9V	Alkaline	9	47.5	25.25 x 16.3	42.9	5

Red Zinc

Model N°	Size		Technology	Voltage (V)	Height (mm)	Diameter (mm)	Weight (g)	Shelf life (years)
R03RZ	S	AAA	Zinc carbon	1.5	44	10.2	8.85	3
R6RZ	M	AA	Zinc carbon	1.5	50.25	13.9	17.5	3
R14RZ	L	C	Zinc carbon	1.5	49.4	25.4	47.7	3
R20RZ	XL	D	Zinc carbon	1.5	60.7	32.9	98.5	3
6F22RZ	9V	9V	Zinc carbon	9	48.5	17.5 x 26.5	37.9	2.5
3R12RZ	-	-	Zinc carbon	4.5	67	62 x 22	110	2.5
PP9RZ	-	-	Zinc carbon	9	78	65 x 50	368.76	2

Rechargeable Evolta

Model N°	Size		Technology	Voltage (V)	Capacity (mAh) ⁽¹⁾	Height (mm)	Diameter (mm)	Weight (g)
HHR-4XXE	AAA	S	Ni-MH	1.2	900	43.9	10.2	12.6
HHR-3XXE	AA	M	Ni-MH	1.2	2450	50.35	14.2	29.2

Rechargeable Ready to Use 1900 - 750

Model N°	Size		Technology	Voltage (V)	Capacity (mAh) ⁽¹⁾	Height (mm)	Diameter (mm)	Weight (g)
HHR-4MVE	AAA	S	Ni-MH	1.2	750	44.5	10.5	13
HHR-3MVE	AA	M	Ni-MH	1.2	1900	50.5	14.5	29
HHR-2SRE	C	L	Ni-MH	1.2	2800	49.8	25.6	69.4
HHR-1SRE	D	XL	Ni-MH	1.2	2800	61.6	32.9	81.1

Rechargeable Ready to Use 1000 & telephone

Model N°	Size		Technology	Voltage (V)	Capacity (mAh) ⁽¹⁾	Height (mm)	Diameter (mm)	Weight (g)
HHR-3LVE	AA	M	Ni-MH	1.2	1000	50.5	14.5	20.35

Coin Lithium

Model N°	Technology	Voltage (V)	Capacity (mAh)	Height (mm)	Diameter (mm)	Weight (g)	Shelf life (years)
CR1025	Lithium	3	30	2.50	10.00	0.7	10
CR1216	Lithium	3	25	1.60	12.50	0.7	10
CR1220	Lithium	3	35	2.00	12.50	0.9	10
CR1616	Lithium	3	55	1.60	16.00	1.2	10
CR1620	Lithium	3	75	2.00	16.00	1.3	10
CR1632	Lithium	3	140	3.2	16.00	1.8	10
CR2012	Lithium	3	55	1.2	20.00	1.4	10
CR2016	Lithium	3	90	1.60	20.00	1.7	10
CR2025	Lithium	3	165	2.50	20.00	2.6	10
CR2032	Lithium	3	220	3.20	20.00	3.1	10
CR2354	Lithium	3	565	5.4	23.00	5.8	10
CR2430	Lithium	3	285	3.00	24.50	3.9	10
CR2450	Lithium	3	620	5.00	24.50	6.3	10

Cylindrical Lithium

Model N°	Technology	Voltage (V)	Capacity (mAh)	Height (mm)	Diameter (mm)	Weight (g)	Shelf life (years)
CR2	Photo lithium	3	850	27	15.6	11.08	10
CR123	Photo lithium	3	1400	34.5	17.1	17	10
2CR5	Photo lithium	6	1400	45	17 x 34	38	10
CRP2	Photo lithium	6	1400	36	19.5 x 34	37	10

(1) Minimum capacity.

Micro Alkaline coin

Model N°	Technology	Voltage (V)	Capacity (mAh)	Height (mm)	Diameter (mm)	Weight (g)	Shelf life (years)
LR44	Alkaline	1.5	120	5.10	11.50	1.95	3
LR1130	Alkaline	1.5	65	3.00	11.60	1.27	3
LRV08	Alkaline	12	52	28.50	10.30	7.92	3
LR1	Alkaline	1.5	900	30.20	12.00	9.20	5

Silver Oxide

Model N°	Technology	Voltage (V)	Capacity (mAh)	Height (mm)	Diameter (mm)	Weight (g)	Shelf life (years)
SR521	Silver Oxide	1.55	17	2.15	5.80	0.24	3
SR616	Silver Oxide	1.55	16	1.65	6.80	0.25	3
SR621	Silver Oxide	1.55	23	2.15	6.80	0.31	3
SR626	Silver Oxide	1.55	28	2.60	6.80	0.39	3
SR721	Silver Oxide	1.55	25	2.10	7.90	0.41	3
SR920	Silver Oxide	1.55	45	2.05	9.50	0.60	3
SR927	Silver Oxide	1.55	55	2.70	9.50	0.80	3
SR936	Silver Oxide	1.55	70	3.60	9.50	1.07	3
SR1130	Silver Oxide	1.55	82	3.10	11.60	1.50	3
SR41	Silver Oxide	1.55	45	3.60	7.90	0.70	3
SR44	Silver Oxide	1.55	180	5.40	11.60	2.40	3
4SR44	Silver Oxide	6.20	160	25.10	13.00	11.00	3

Zinc Air

Model N°	Technology	Voltage (V)	Capacity (mAh)	Height (mm)	Diameter (mm)	Weight (g)	Shelf life (years)
PR10 (PR230/PR536)	Zinc air	1.4	100	3.6	5.8	0.30	3
PR13 (PR48)	Zinc air	1.4	300	5.4	7.9	0.83	3
PR312 (PR41)	Zinc air	1.4	170	3.6	7.9	0.58	3
PR675 (PR44)	Zinc air	1.4	650	5.4	11.6	1.85	3

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www.panasonic-batteries.com



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