

eneloop

Ready to use Rechargeable Battery TM

CATALOGUE 2019-2020



Panasonic

Table of Contents

Panasonic Worldwide Group

- 4** A powerful global brand
- 6** Creating new life with energy

Panasonic Energy

- 8** Divisions around the world
- 9** Inside Panasonic's Takumi Mind
- 10** Design Takumi & Design awards

What is eneloop?

- 12** The only battery you will ever need
- 13** eneloop's brand image & DNA
- 14** For sustainable lifestyle
- 15** RE-CHARGE by eneloop
- 16** eneloop: top quality battery

eneloop rechargeable batteries

- 24** eneloop pro
- 28** eneloop
- 32** eneloop lite
- 36** Comparison chart
- 37** Performance chart
- 38** Cordless phone solution (DECT)
- 40** New eneloop storage case
- 42** eneloop spacers

eneloop chargers

- 46** Professional charger
- 47** Standard chargers
- 48** Frequent charging / office charger
- 48** Entry chargers
- 49** Entry USB-in chargers
- 52** Charger overview

Shopper insights

- 54** Shopper insights

instore communication

- 57** POS materials
- 58** eneloop displays

online communication

- 60** Website • Partner Portal • social media

Resources

- 61** Technical specifications
- 62** Cross reference table



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 INFORMATION

Company name:	Panasonic Corporation
Head office location:	Osaka – Japan
President:	Kazuhiro Tsuga
Foundation:	March, 1918 (incorporated in December, 1935)
Net sales ⁽¹⁾ :	7,982.2 billion yen
Number of employees ⁽¹⁾ :	274,143
Number of consolidated companies ⁽¹⁾ :	592 (including parent company)

⁽¹⁾ As of March 31, 2018.



Panasonic

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 – A powerful Global Brand

14th

Best Regarded Company
of the 2018 Forbes
Global 2000 list ⁽²⁾

⁽²⁾ www.forbes.com/top-regarded-companies/list

76th

Best
Global Brand
2018 ⁽³⁾

⁽³⁾ www.interbrand.com

eneloop
Ready to use Rechargeable Battery TM

Creating New Life with Energy

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 lithium-ion batteries for Tesla motors' electric vehicles, the development of industrial solutions & connected solutions such as in flight entertainment systems but also life solutions & appliances to support a better life, a better world.

A Change for the Better

Panasonic supports the tech leaders of today as a key partner in Electric Vehicle development, sponsoring events and teams in solar events around the world.



Electric Vehicle Race Partner

Panasonic supports the Ene-1 GP SUZUKA event by supplying 40 AA-size eneloop cells that power each student-designed vehicle.



Manned Flight Challenge

Tokai University aimed at a world record by flying about 3.6 km in an aircraft powered by 640 EVOLTA cells.

Appliances

- Air-conditioning
- Small & Built-in appliances
- Major Appliances
- TV, Imaging Network and Home Entertainment
- Smart Energy Systems

Life Solutions

- Lighting
- Energy Systems
- Panasonic Ecology Systems
- Housing Systems
- Panasonic Homes

Connected Solutions

- Avionics
- Process Automation
- Media Entertainment
- Mobile Solutions
- Social Services, Logistics and Distribution

Industrial Solutions

- Industrial Systems
- Consumer Batteries

Automotive

- Automotive Solutions
- Energy Devices

Panasonic Energy

Divisions around the World



United States
of America

Panasonic Energy
Corporation of America



Belgium

Panasonic Energy
Belgium N.V.



China

Panasonic Energy
(Shanghai) Co., Ltd.
Panasonic Energy
(Wuxi) Co., Ltd.



Poland

Panasonic Energy
Poland S.A.



Japan

Energy Device
Business Division



Peru

Panasonic
Peruana S.A.



Costa Rica

Panasonic
Centroamericana S.A.



Brazil

Panasonic do
Brasil Limitada



India

Panasonic Carbon
India Co., Ltd.
Panasonic Energy
India Co., Ltd.



Indonesia

PT Panasonic Gobel
Energy Indonesia



Thailand

Panasonic Energy
(Thailand) Co., Ltd.



Inside Panasonic's Takumi Mind

Every aspect of our business, from research and development to production and quality control, is guided by the Takumi way. Takumi is Japanese for master craftsmanship, but it is more than that. Takumi people are artisans possessing an irreplaceable depth of experience that represents the sum of their knowledge in a specific area. They are also responsible for building new technological developments into processes refined over decades, so that knowledge lives and grows. Takumi Mind balances experience with innovation as we strive to create batteries that make life better.

Technical Development Takumi

Thousands of prototypes, one winning formula



Of the infinite compositions that can comprise a battery's chemistry, it's the 87 years of accumulated knowledge inside a Takumi's head—and the thousands of prototype batteries they craft by hand—that decides the final formula used in our products. Takumi know-how joins with our suppliers' expertise as we develop unique materials to give Panasonic batteries an edge. Rather than relying on computer simulations, prototypes are exhaustively tested and promising designs refined to perfection. Panasonic honors Takumi Mind by continually deepening our knowledge pool with a commitment to surpass the world's best.

Production Takumi

Production Lines: Flowing Like Water



Quality starts at home. We designed more than 100 production lines in 13 factories to our specification, and have built some facilities from scratch. Factories are our value creators. The challenge is to constantly improve our production so it flows like water. There is still much to learn from our predecessors (some lines are still in operation 50 years on), yet quality can leap forward with the advent of new technology, such as AI and robotics. It is balancing between traditional and modern, volume and quality, with Takumi guiding us. Our facilities are designed around people so their knowledge can be enriched and passed on to the artisans that follow.

Quality Control Takumi

Challenge Zero: How We Prevent Defects



Our products are tested against JIS/IEC standards as well as our own more rigorous standards. Each year, hundreds of thousands of products are tested in every conceivable simulated usage condition, frequently based on customer feedback. We identify potential issues and counter before defects occur. We're aiming to achieve a 0% defect rate through over-engineering, severe testing, and quality control. For example, we claim 10 years storage life on select products because we're still testing them in-house 20 years later. Some batteries in test-tanks are operable after 50 years. Our rigorous testing program proves our batteries really are ready to use, even after long years in storage.

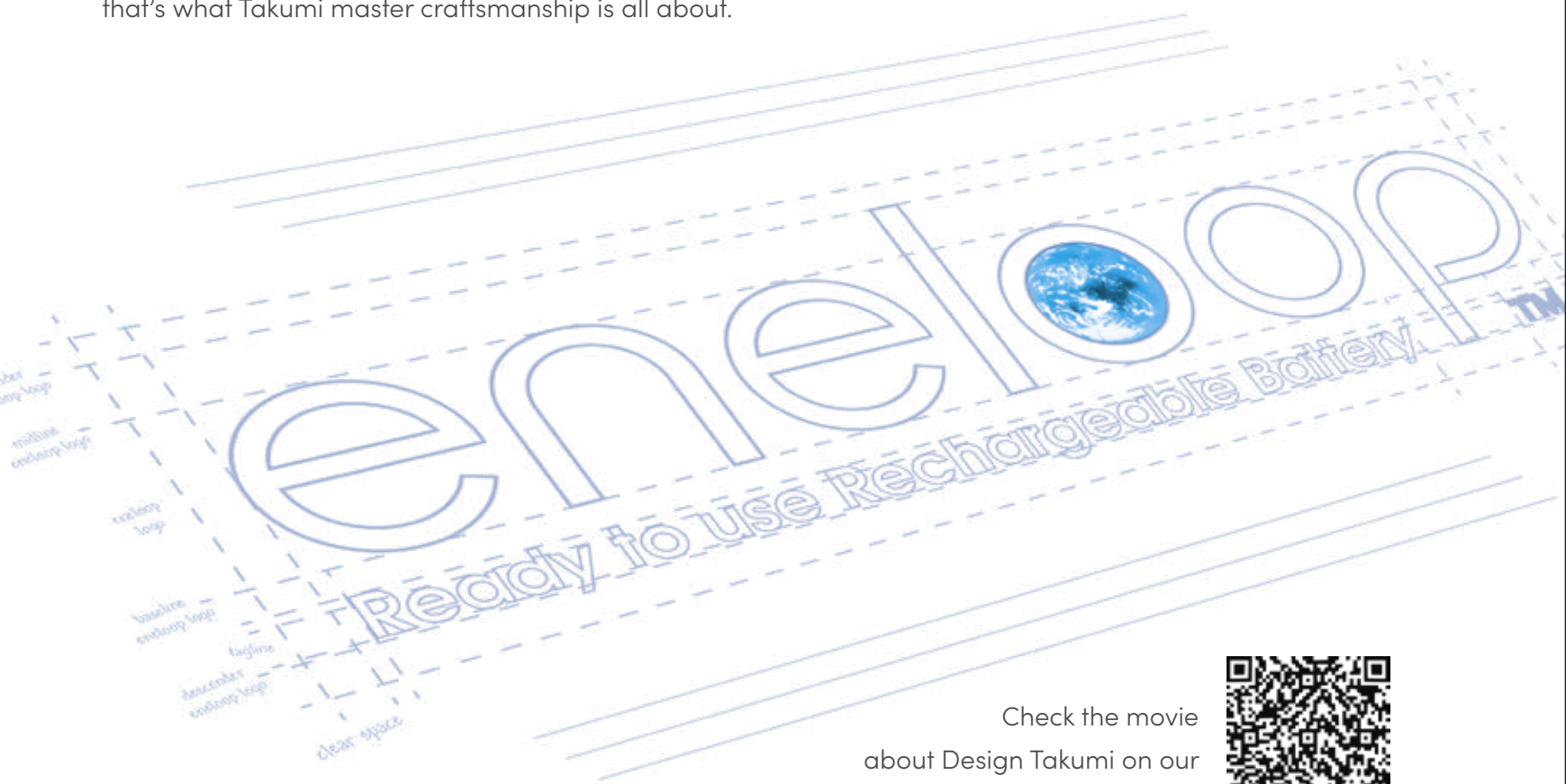
Design Takumi



Design Takumi

Designed for Earth, Designed for Life

Takumi transforms ordinary. In artisan hands, eneloop emerges as a product not to use, but to enjoy. By combining dry-battery convenience with efficient reusability, sustainable life and clean energy society come closer to reality. Panasonic eneloop shrinks your ecological footprint, eliminating waste from dead batteries. It arrives pre-charged with solar energy. Every time you recharge, there's genuine satisfaction at resources saved. Years of faithful performance inspire trust in eneloop as part of your family. Using them feels good, and that's what Takumi master craftsmanship is all about.



Check the movie
about Design Takumi on our
eneloop YouTube channel →



Japan Package & Global Design Awards

Design Takumi

Japan Package Design Award

Bronze Award

Japan Package Design Association



This biennial competition gives package designers an opportunity to have the value of their work assessed by industry experts, who examine design aspects such as quality, innovation, and creativity. Panasonic's eneloop package design—which distills product concepts of functionality and sustainability into the packaging itself — was highly acclaimed.

Design Takumi

Global Design Awards

The eneloop family of products and their packaging has attracted accolades from the world's most prestigious institutions, including Germany's iF Design Awards.



Good Design Award
Gold Prize 2006

Australian International
Design Awards 2009



Japan Package Design
Award Gold Prize 2007

Australian International
Design Awards 2009



iF Product Design Award
Product Design 2009

Long Life Design 2016



⁽¹⁾ Based on market research conducted by INTAGE SRI on the sales amount for batteries in the Japan market, from Jan. 2014 to Dec 2018..

eneloop
Ready to use Rechargeable Battery TM

What is eneloop?

The only battery
you will ever
need!

eneloop is the perfect, long-life,
pre-charged, energy and money
saving, recyclable rechargeable
battery which can now be
charged and discharged
even up to 2100 times ⁽¹⁾.

eneloop represents a new lifestyle

eneloop is the next generation
of environmentally friendly
batteries that combines the
advantages of primary batteries
and rechargeable batteries.
It is Ready to Use right after
purchasing and can be stored
for a long period of time.



Change the future
of our environment
by changing your
battery

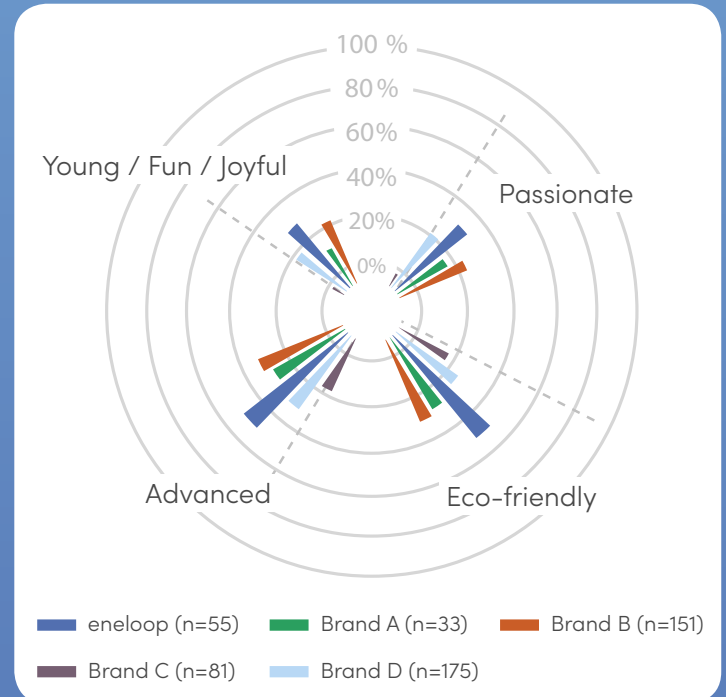
How many batteries are we using
and throwing away every year....
What can we do to save our
environment....
What is the idealistic Eco-friendly
battery for the future....

eneloop is
Panasonic's answer.

⁽¹⁾ Panasonic internal testing IEC61951-2 2011(7.5.1.3); 600 cycles according to IEC61951-2 2017(7.5.1.4)

eneloop's brand image⁽²⁾

eneloop is clearly perceived
as the most eco-friendly,
young, fun & joyful brand.
This is opposed to other
rechargeable batteries,
which have the same
brand image as
alkaline batteries.



eneloop worldwide

Sold in over
80 countries⁽³⁾

480 million
batteries shipped
worldwide⁽³⁾

Registered
trademark in over
60 countries⁽³⁾



⁽²⁾ Source: Haystack rechargeable online survey July 2018. n:2007 in GE, PL, UK, IT and FR.
⁽³⁾ As of January 2019.

For a sustainable lifestyle

Save resources with eneloop!

Using eneloop instead of a primary battery saves resources. Each year, approximately 40 billion batteries are used worldwide. Replacing even a small percentage of these with eneloop will help to conserve the environment.



eneloop is World's nature friendly battery.

Solar charged + Ready to Use

Pre-charged by solar energy and ready to use, eneloop is the World's nature friendly battery.



[RE]CHARGE by eneloop

eneloop is the result of the wonderful aim from Panasonic: **"A Better Life, a Better World"**.

Our planet is our most valuable ally, and if we want to preserve it, we need to **RE**think our mode of consumption. Using eneloop is an important building block in the preservation of our world.

REcharging eneloop batteries is like **RE**charging our planet. It's a new start. For the better.

The **"REcharge"** activation campaign is about realizing the beauty of our planet, of our world.

And it's about contributing to its preservation. It's about contemplation and **RE**action.



The central image shows a person's hands holding a white frame. Inside the frame is a close-up of a tree trunk with the text "[RE]CHARGE" in white. The background of the entire advertisement is a lush green forest with sunlight filtering through the trees.

 Solar charged

 For Sustainable Lifestyle

 eneloop pro

 eneloop

 eneloop lite

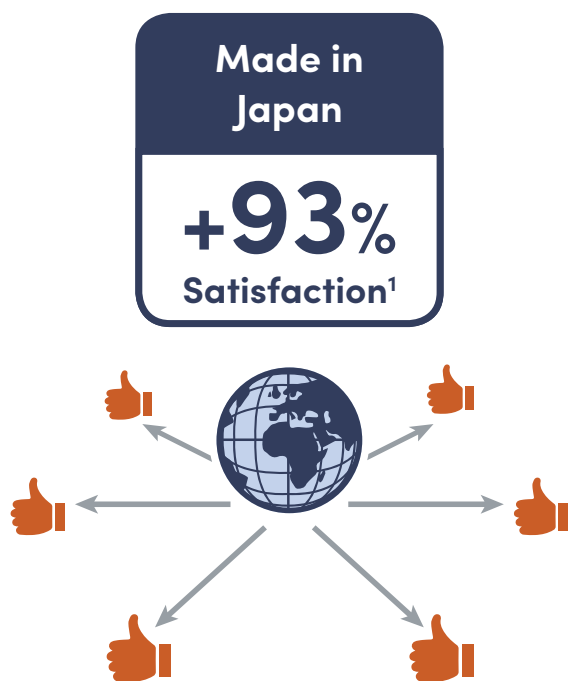
eneloop
Ready to use Rechargeable Battery TM

www.panasonic-eneloop.eu
www.facebook.com/eneloop.Europe

eneloop: top quality battery

World acclaimed quality

eneloop is shipped to over 80 countries and its Japanese inspired design and production are appreciated by consumers all over the world. Users feel a high level of satisfaction.



¹Based on an internal survey of American, German, Chinese and Japanese users (2016-2017).

Applauded by *Cirque du Soleil*[®]

*"We are using the eneloop batteries here at TOTEM and we are **more than satisfied**. eneloop batteries have a **fantastic capacity** and they also **retain their charge very well** where other brands would discharge considerably over time without use. We are going to continue to use eneloop for a long time."*



Stephan Mendi
Sound Technician
TOTEM - Cirque du Soleil



OFFICIAL PARTNER
TOURING SHOWS

CIRQUE DU SOLEIL

Get your tickets for
TOTEM in Europe on
cirquedusoleil.com/TOTEM



Check the full testimonial on our
eneloop YouTube channel →

Photo: Matt Beard © 2017 Cirque du Soleil.
Cirque du Soleil and Sun Logo are trademarks owned by Cirque du Soleil and used under license.

Ecological solution

Every recharged battery will prevent a battery in the trash can, and because of eneloop's 70% capacity after 10 years of storage, it will be ready to use whenever needed.

Unbeatable cycle life

Each time an eneloop battery is recharged, it will save on the cost of replacement batteries, whilst reducing waste at the same time.

No "memory effect"

Due to high start voltage, there is no worrying about the memory effect as much other rechargeable batteries suffer.

Low self discharge

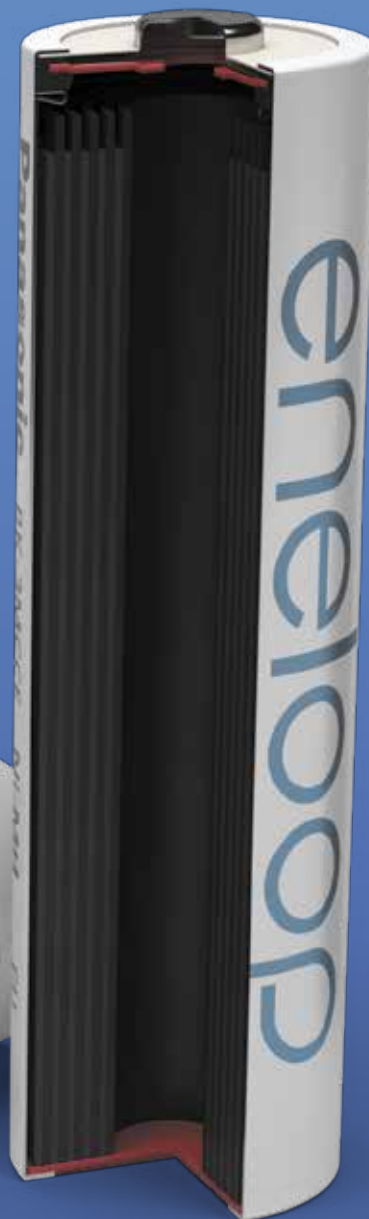
Innovative technology in the production of the eneloop ensures 70% of capacity even after 10 years of storage.

Extreme Temperature Performance

eneloop will maintain performance at low temperatures (-20°C) far longer than alkaline batteries.

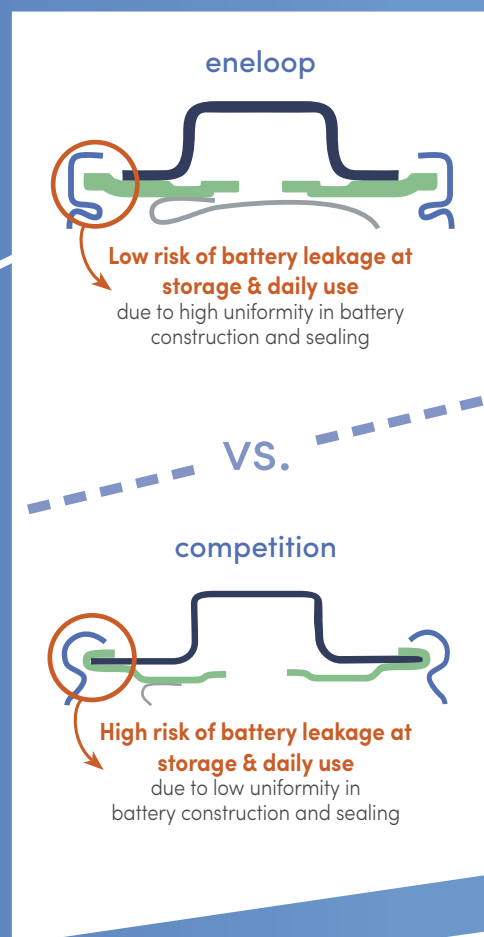
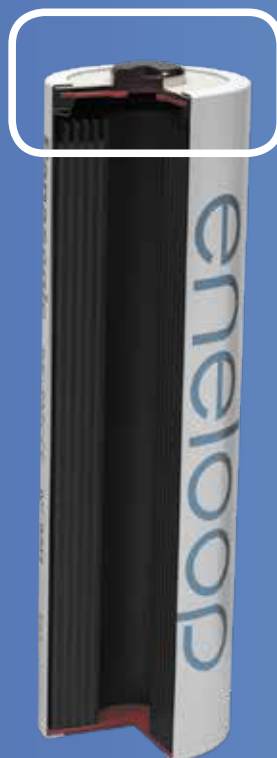
Lasts much longer than Alkaline

Due to its very stable voltage, it will last longer than alkaline batteries.

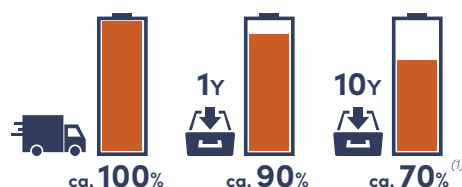


Unbeatable cycle life

eneloop is developed with the use of the newest production technologies and high grade materials. With help of those highly specialized materials, eneloop batteries have a low self-discharge and they are reusable, cycle by cycle with a stable voltage output. Next to that these innovations result in high conductivity, reliability and durability. By limiting the degradation of the materials, it has been possible to reduce performance decrease during repeated use and thus highly increase the number of times that eneloop batteries can be recharged.

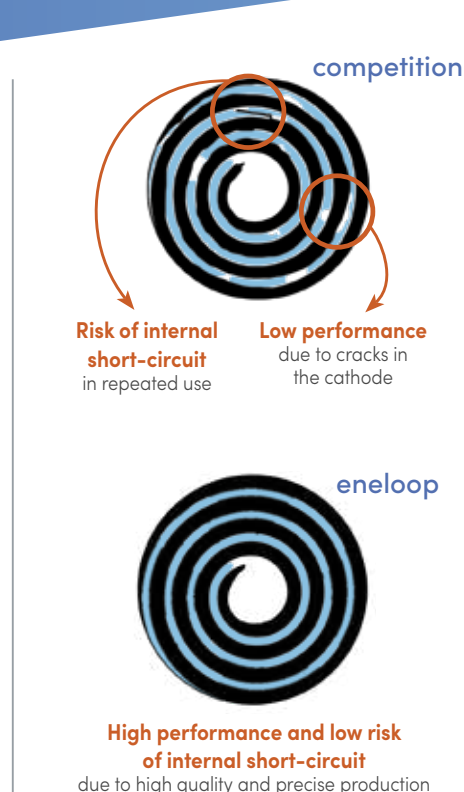


Low self-discharge

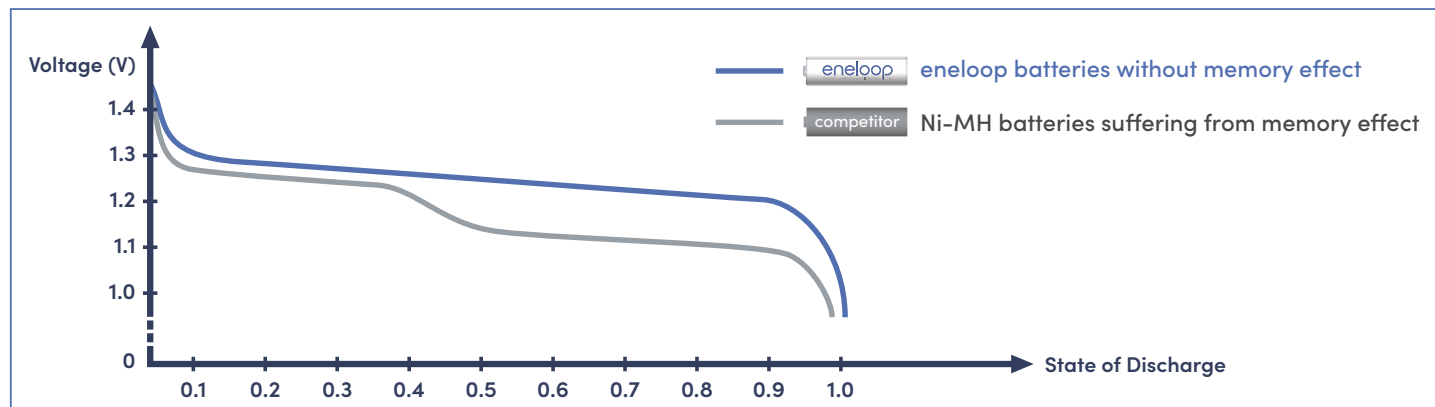


Highest production quality, with high precise production and cutting edge materials ensure an optimized function of the battery. This again realizes a high power and stable discharge performance combined with very low self-discharge.

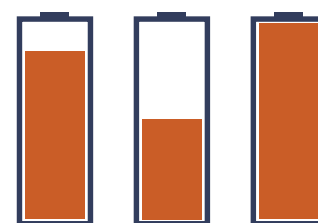
⁽¹⁾ Battery tested at 20°C ambient temperature self-discharge condition 0.2It (E.V.=1.0V).



No “memory-effect”

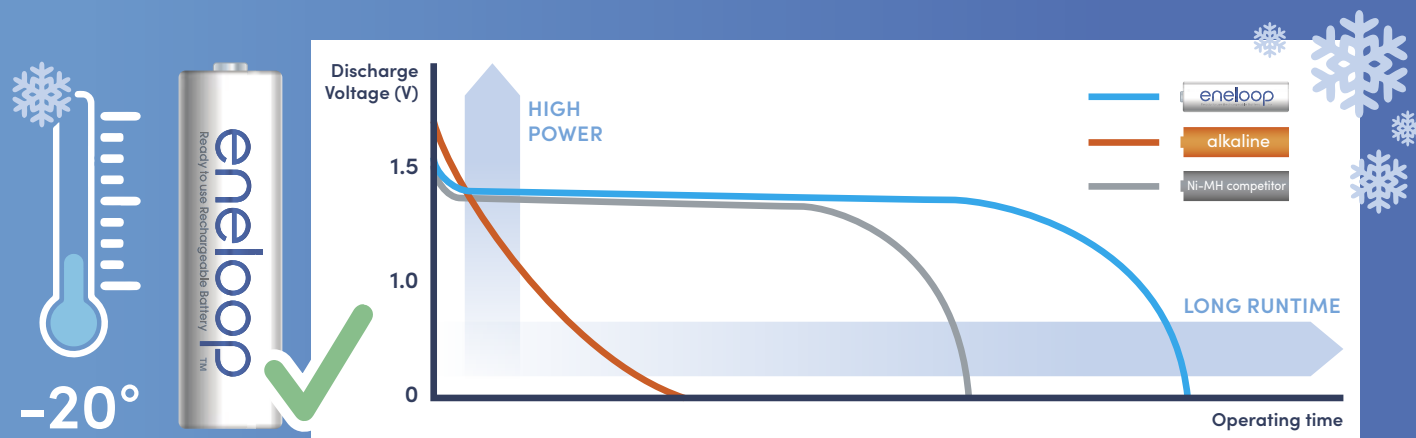


When a rechargeable battery that hasn't been fully discharged, is repeatedly topped up, it “remembers” that it's only been used for a short time. When used again, the voltage may quickly drop. This is called the memory effect. eneloop has a high voltage to begin with and so it maintains enough voltage even if this occurs. There's no need to worry about the memory effect.



Even when the batteries are not fully charged/discharged, eneloop can be charged again without quality loss.

Extreme temperature performance⁽²⁾



⁽²⁾ Usage time is shorter compared to room temperature.

eneloop lasts much longer than an alkaline battery



A DEEPER RESERVE OF POWER - A digital camera equipped with eneloop can take nearly 4.5 times as many shots as one equipped with standard alkaline dry cells ⁽¹⁾.

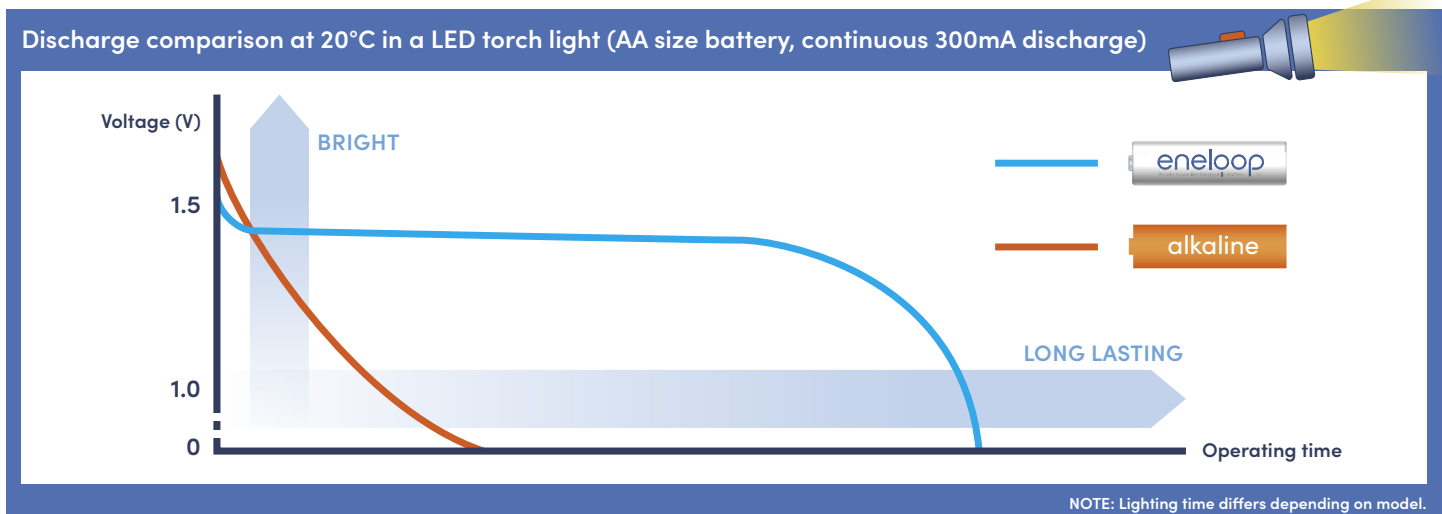
eneloop
Ready to use Rechargeable Battery TM

About 514 shots
(lasts about 4.5x longer)

Average alkaline

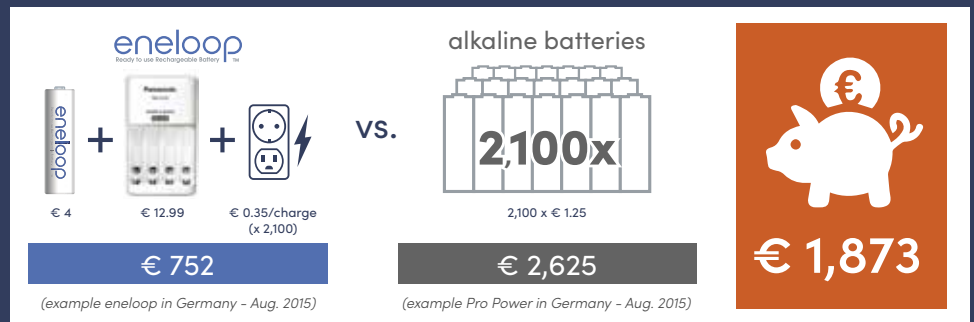
About 117 shots

Digital camera shots with eneloop vs. alkaline ⁽¹⁾



¹ Testing conditions at HR-3UTGA with SANYO DSC-S4 digital camera. One picture taken every 20 seconds. LCD on, and flash used every third shot. Results may vary depending on equipment used and other conditions. Comparison made with eneloop battery and comparable SANYO LR6 alkaline dry cell battery.

eneloop
can be used
2,100 times² to
save money



On average, families use around 70 batteries every year.³
By switching to eneloop, a single charger makes it possible to charge a year's worth of batteries.

eneloop lasts much longer than competition

HIGH POWER BATTERY

One of the main features of eneloop is the higher voltage level. Many applications switch off or show the low battery signal if the voltage is lower than 1,1 Volt. A traditional Ni-MH battery will lose its voltage constantly and runs under this critical level very soon. eneloop however will keep the voltage level over 1,1 Volt for a long time, and only just before becoming empty will fall under that limit. That's one of the reasons why you can play longer with eneloop vs competition.



² Panasonic internal IEC 61951-2 2011(7.5.1.3) testing; 600 times according to Panasonic internal IEC 61951-2 2017(7.5.1.4) testing.

³ Number used annually by a family with two adults and two children.



eneloop™

A solution for your
different needs



eneloop™
Ready to use Rechargeable Battery



eneloop pro™

Perfect choice for high drain devices

eneloop pro is the perfect choice for powering high current consuming devices such as photo flash lights, wireless keyboard & mouse, game controllers, radio controlled cars and a range of household devices.

They can all realize extended performance when powered by eneloop pro batteries.

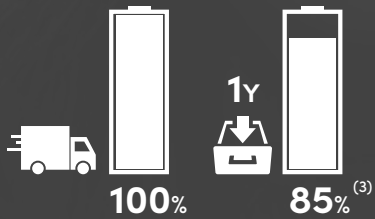


eneloop
Ready to use Rechargeable Battery™

Solar charged + Ready to Use



Low self-discharge when stored



Usable in low temperatures




eneloop pro™

 **500x⁽²⁾**
Charge cycles

AA ▶ 2,500 mAh⁽¹⁾
Minimum capacity

AAA ▶ 930 mAh⁽¹⁾
Minimum capacity

After 1 year
capacity
remains
85%⁽¹⁾


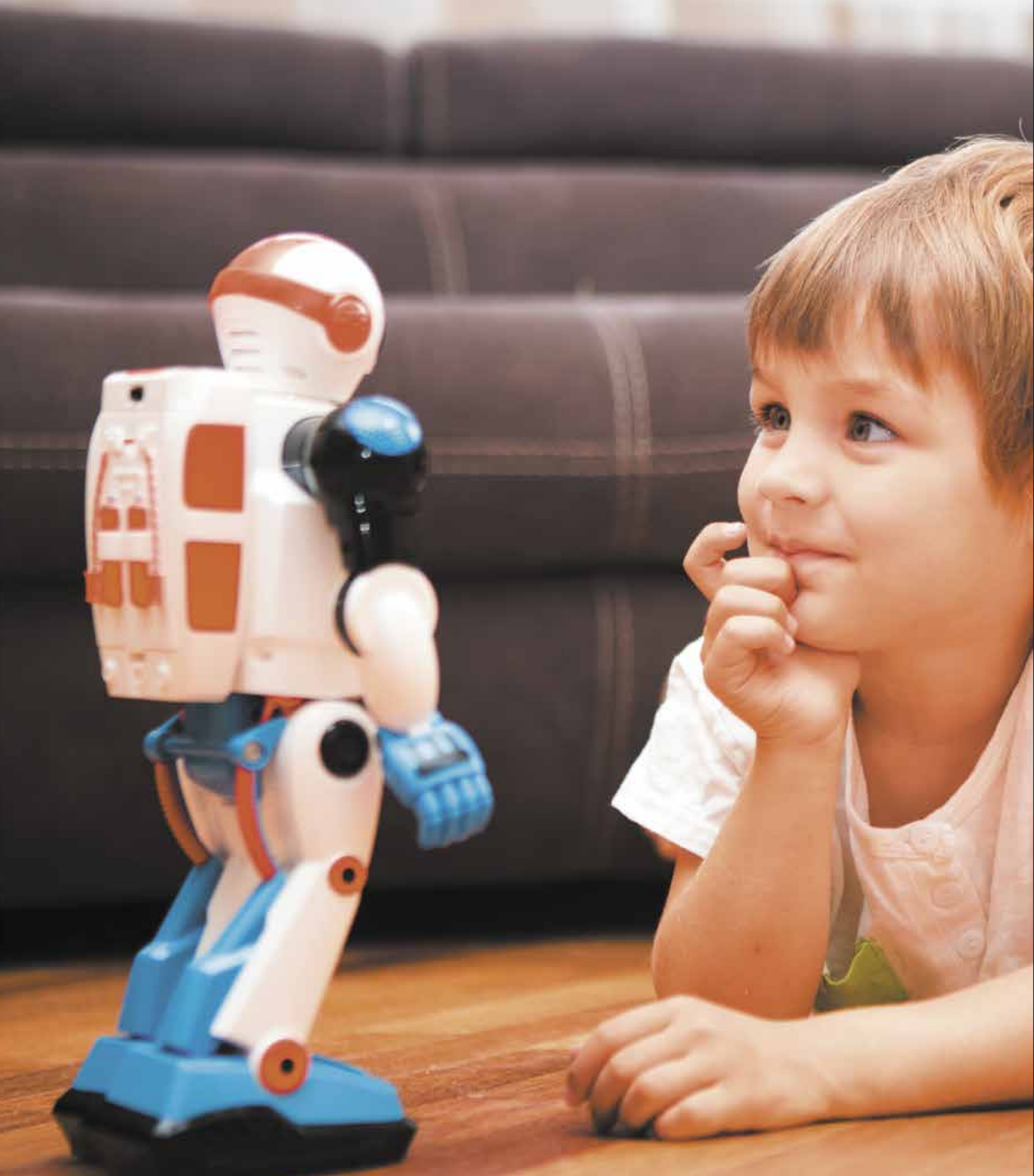


Size	Min. Capacity	Global Code	CSU EAN	Batteries/ CSU	Blisters/ Carton	Cartons/ Outer Carton
AA	2,500 mAh	BK-3HCDE/2BE	5410853057178	2	8	12
AA	2,500 mAh	BK-3HCDE/4BE	5410853052579	4	10	12
AA	2,500 mAh	BK-3HCDEC4BE	5410853060161	4 + case	10	4
AAA	930 mAh	BK-4HCDE/2BE	5410853057185	2	10	12
AAA	930 mAh	BK-4HCDE/4BE	5410853052609	4	12	12
AAA	930 mAh	BK-4HCDEC4BE	5410853060178	4 + case	10	4

⁽¹⁾ Panasonic internal IEC 61951-2(7.3.2) testing – varies according to conditions of use.

⁽²⁾ Panasonic internal IEC 61951-2 2011(7.5.1.3) testing; 150 times according to Panasonic internal IEC 61951-2 2017(7.5.1.4) testing.

⁽³⁾ Battery tested at 20°C ambient temperature self-discharge condition 0.2It (E.V.=1.0V)



Long-life, pre-charged, energy and money saving

eneloop is a long-life, pre-charged, energy and money saving,
recyclable rechargeable battery which can be
charged and discharged even up to 2,100 times⁽¹⁾.

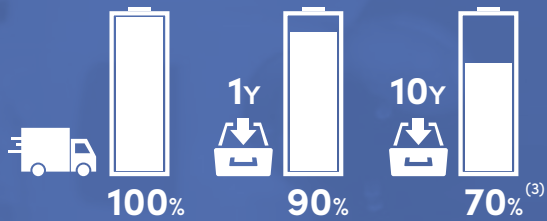


⁽¹⁾ Panasonic internal IEC 61951-2 2011(7.5.1.3) testing; 600 times according to Panasonic internal IEC 61951-2 2017(7.5.1.4) testing.

Solar charged + Ready to Use



Low self-discharge when stored



Usable in low temperatures


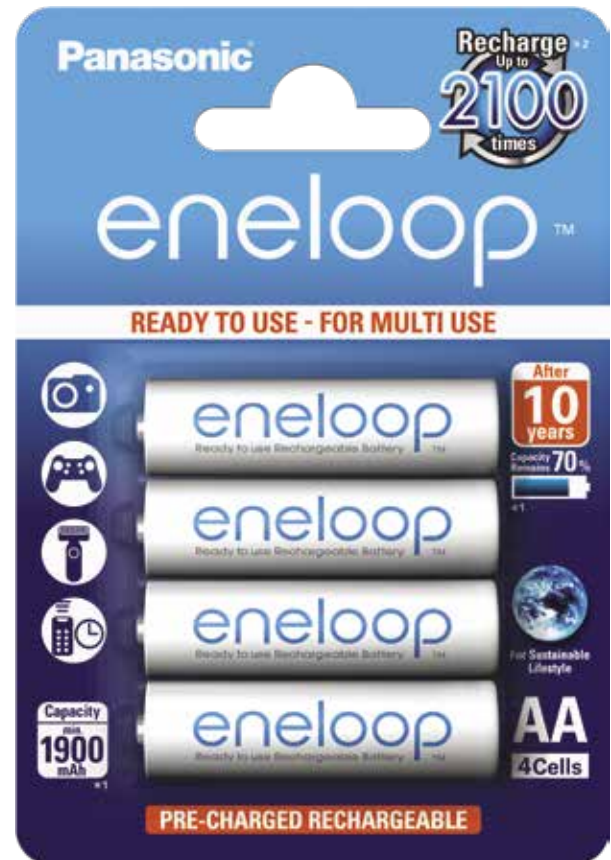


 **2,100x⁽²⁾**
Charge cycles

AA ▶ 1,900 mAh⁽¹⁾
Minimum capacity

AAA ▶ 750 mAh⁽¹⁾
Minimum capacity

After 10 years
capacity
remains
70%⁽¹⁾

Size	Min. Capacity	Global Code	CSU EAN	Batteries/ CSU	Blister/ Carton	Cartons/ Outer Carton
AA	1,900 mAh	BK-3MCCE/2BE	5410853052623	2	8	12
AA	1,900 mAh	BK-3MCCE/4BE	5410853052630	4	10	12
AA	1,900 mAh	BK-3MCCE/8BE	5410853052647	8	10	4
AA	1,900 mAh	BK-3MCCEC4BE	5410853052654	4 + case	10	4
AAA	750 mAh	BK-4MCCE/2BE	5410853052678	2	10	12
AAA	750 mAh	BK-4MCCE/4BE	5410853052685	4	12	12
AAA	750 mAh	BK-4MCCE/8BE	5410853052692	8	10	4
AAA	750 mAh	BK-4MCCEC4BE	5410853052708	4 + case	10	4
mix	1,900/750 mAh	BK-KJMCCE44E	5410853052715	4 AA + 4 AAA	10	4

⁽¹⁾ Panasonic internal IEC 61951-2(7.3.2) testing – varies according to conditions of use.

⁽²⁾ Panasonic internal IEC 61951-2 2011(7.5.1.3) testing; 600 times according to Panasonic internal IEC 61951-2 2017(7.5.1.4) testing.

⁽³⁾ Battery tested at 20°C ambient temperature self-discharge condition 0.2It (E.V.=1.0V)



Ideal for low-to-medium power consumption devices

eneloop lite batteries are ideal for low-to-medium power consumption devices, such as DECT phones and remote controls. They are rechargeable for up to 3,000 times⁽¹⁾ which makes it even more economically and environment-friendly.

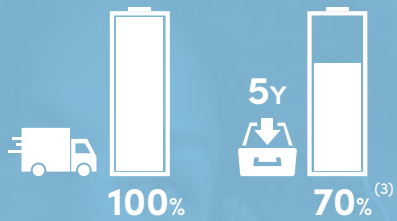


⁽¹⁾ Panasonic internal IEC 61951-2 2011(7.5.1.3) testing; 1,000 times according to Panasonic internal IEC 61951-2 2017(7.5.1.4) testing.

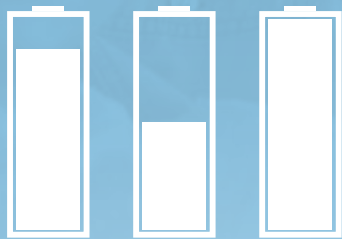
Solar charged + Ready to Use




Low self-discharge when stored




No "memory-effect" ⁽⁴⁾

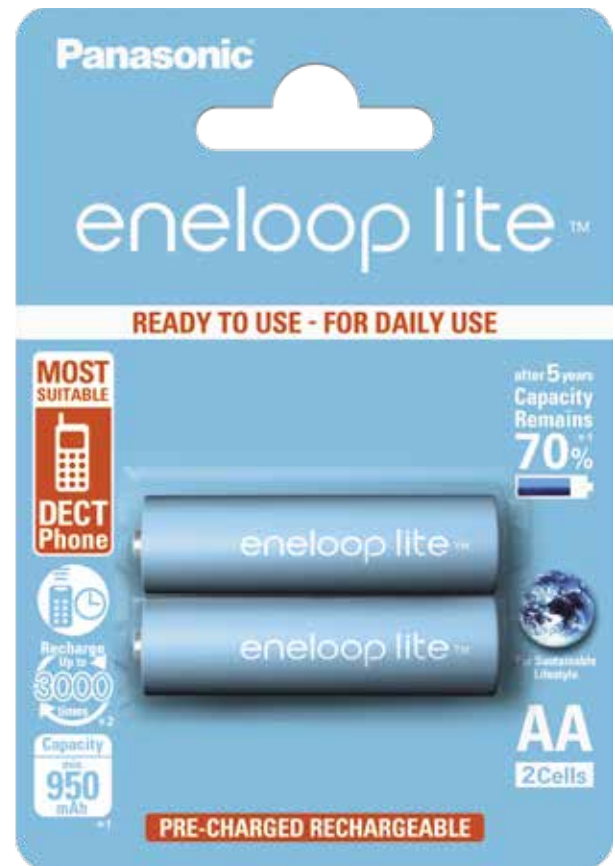


 **3,000x⁽²⁾**
Charge cycles

AA ▶ 950 mAh⁽¹⁾
Minimum capacity

AAA ▶ 550 mAh⁽¹⁾
Minimum capacity

After 5 years
capacity
remains
70%⁽¹⁾










Size	Min. Capacity	Global Code	CSU EAN	Batteries/ CSU	Blisters/ Carton	Cartons/ Outer Carton
AA	950 mAh	BK-3LCCE/2BE	5410853052739	2	8	12
AAA	550 mAh	BK-4LCCE/2BE	5410853052753	2	10	12
AAA	550 mAh	BK-4LCCE/4BE	5410853052760	4	12	12

⁽¹⁾ Panasonic internal IEC 61951-2(7.3.2) testing – varies according to conditions of use.

⁽²⁾ Panasonic internal IEC 61951-2 2011(7.5.1.3) testing; 1,000 times according to Panasonic internal IEC 61951-2 2017(7.5.1.4) testing.

⁽³⁾ Battery tested at 20°C ambient temperature self-discharge condition 0.2It (E.V.=1.0V). ⁽⁴⁾ More info about "Memory Effect" on p. 19

Comparison chart

			
	eneloop pro BK-3HCDE	eneloop BK-3MCCE	eneloop lite BK-3LCCE
Capacity (AA) ⁽¹⁾	min. 2,500 mAh up to 2,550 mAh	min. 1,900 mAh up to 2,000 mAh	min. 950 mAh up to 1,000 mAh
Capacity (AAA) ⁽¹⁾	min. 930 mAh up to 950 mAh	min. 750 mAh up to 800 mAh	min. 550 mAh up to 600 mAh
Charging cycles ⁽²⁾	up to 500 times	up to 2100 times	up to 3,000 times
Type	High capacity For high drain devices	Low self-discharge For multi-use	Basic rechargeable For daily use
Ideal for	DSLR flash, Radio Control Cars, Wireless Devices 	Digital Cameras, Beauty & Health, Games & Toys, Torch lights, DECT Phones 	DECT Phones, Remote Controls, Daily Use 

Battery runtime beginning from charged state. It varies depending on conditions of use, model used, ambient temperature & conditions of equipment.

⁽¹⁾ Panasonic internal IEC61951-2(7.3.2) testing – varies according to conditions of use

⁽²⁾ Panasonic internal IEC 61951-2 2011(7.5.1.3) testing; eneloop pro: 150 times, eneloop: 600 times, eneloop lite: 1,000 times according to Panasonic internal IEC 61951-2 2017(7.5.1.4) testing.

Performance chart

	 eneloop pro	 eneloop	 eneloop lite	 alkaline battery
 DSLR flash	± 1.8 hours	± 1.5 hours	± 0.7 hours	± 1 hours
 Radio Control Car	± 3 hours	± 2 hours	± 1 hour	± 1 hours
 Wireless Devices	± 80 hours	± 60 hours	± 30 hours	± 25 hours
 Toys	± 8 hours	± 6 hours	± 3 hours	± 8 hours
 Digital Cameras	± 3 hours	± 2 hours	± 1 hour	± 0.5 hours
 Beauty & Health	± 3.3 hours	± 3 hours	± 1.5 hours	± 1.5 hours
 Torch lights	± 6 hours	± 5 hours	± 2.5 hours	± 4 hours
 Games & Toys	± 25 hours	± 20 hours	± 10 hours	± 25 hours
 Daily Use	± 2 hours	± 2 hours	± 1 year	± 2 years
 DECT Phones	± 70 hours (AAA in standby mode) ⁽³⁾	± 60 hours (AAA in standby mode) ⁽³⁾	± 40 hours (AAA in standby mode) ⁽³⁾	—

Usable temperature ranges: -5°C to 50°C for discharging (in device), 0°C to 40°C for charging, -20°C to 30°C for storage. Usage outside of these temperature ranges may adversely affect battery performance and/or lifespan. • ⁽³⁾ Expected power consumption: 12.5mA

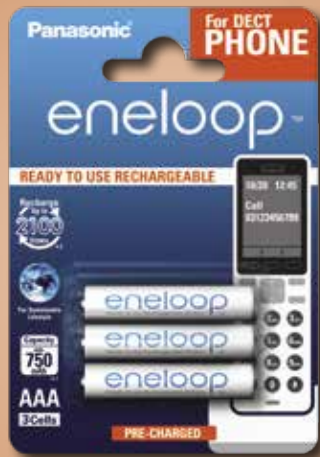
Suitable for all cordless phones



BEST CYCLE LIFE

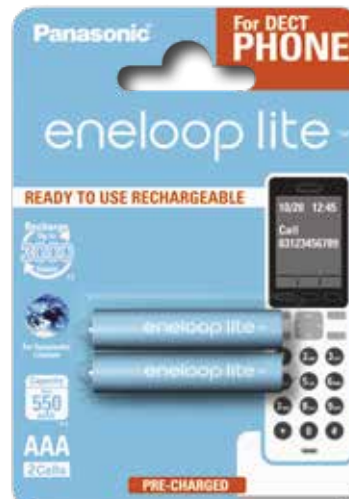
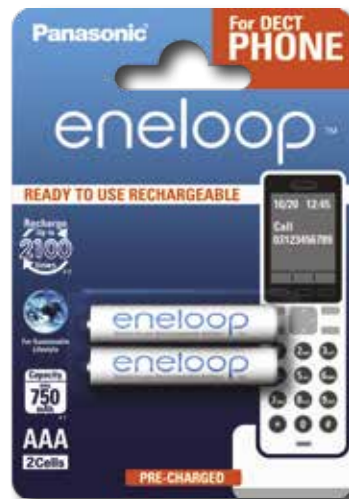


Lasts up to 3 times longer ⁽¹⁾



Cordless phone solution

Best match
for your
cordless phone



Size	Min. Capacity	Global Code	CSU EAN	Batteries/ CSU	Blisters/ Carton	Cartons/ Outer Carton
AAA	750 mAh	BK-4MCCE/3DE	5410853058779	3	10	12
AAA	750 mAh	BK-4MCCE/2DE	5410853058786	2	10	12
AAA	550 mAh	BK-4LCCE/3DE	5410853058793	3	10	12
AAA	550 mAh	BK-4LCCE/2DE	5410853058809	2	10	12

⁽¹⁾ vs. competition based on Panasonic's internal charge & discharge tests.
⁽²⁾ Panasonic internal IEC 61951-2 2011(7.5.1.3) testing; eneloop: 600 times, eneloop lite: 1,000 times according to Panasonic internal IEC 61951-2 2017(7.5.1.4) testing.

eneloop
Ready to use Rechargeable Battery TM

Premium packaging for durable use



Ideal to store unused batteries



Recycled PET-packaging



New storage case

For durable use

The recyclable PET-packaging of the eneloop storage case is eco-friendly, yet has a premium look, which makes it your ideal travel companion or a perfect solution to store your unused batteries at home.



Only available
online!

Also check our movies on the
eneloop YouTube channel.

eneloop



eneloop pro



Size	Min. Capacity	Global Code	CSU EAN	Packs/ Carton	Cartons/ Pallet	Layers/ Pallet
AA	2,500 mAh	BK-3HCDE/4LE	5410853060611	10	560	10
AAA	930 mAh	BK-4HCDE/4LE	5410853060628	10	560	10
AA	1,900 mAh	BK-3MCCE/4LE	5410853060574	10	560	10
AAA	750 mAh	BK-4MCCE/4LE	5410853060581	10	560	10
AA	1,900 mAh	BK-3MCCE/8LE	5410853060598	10	280	5
AAA	750 mAh	BK-4MCCE/8LE	5410853060604	10	490	7

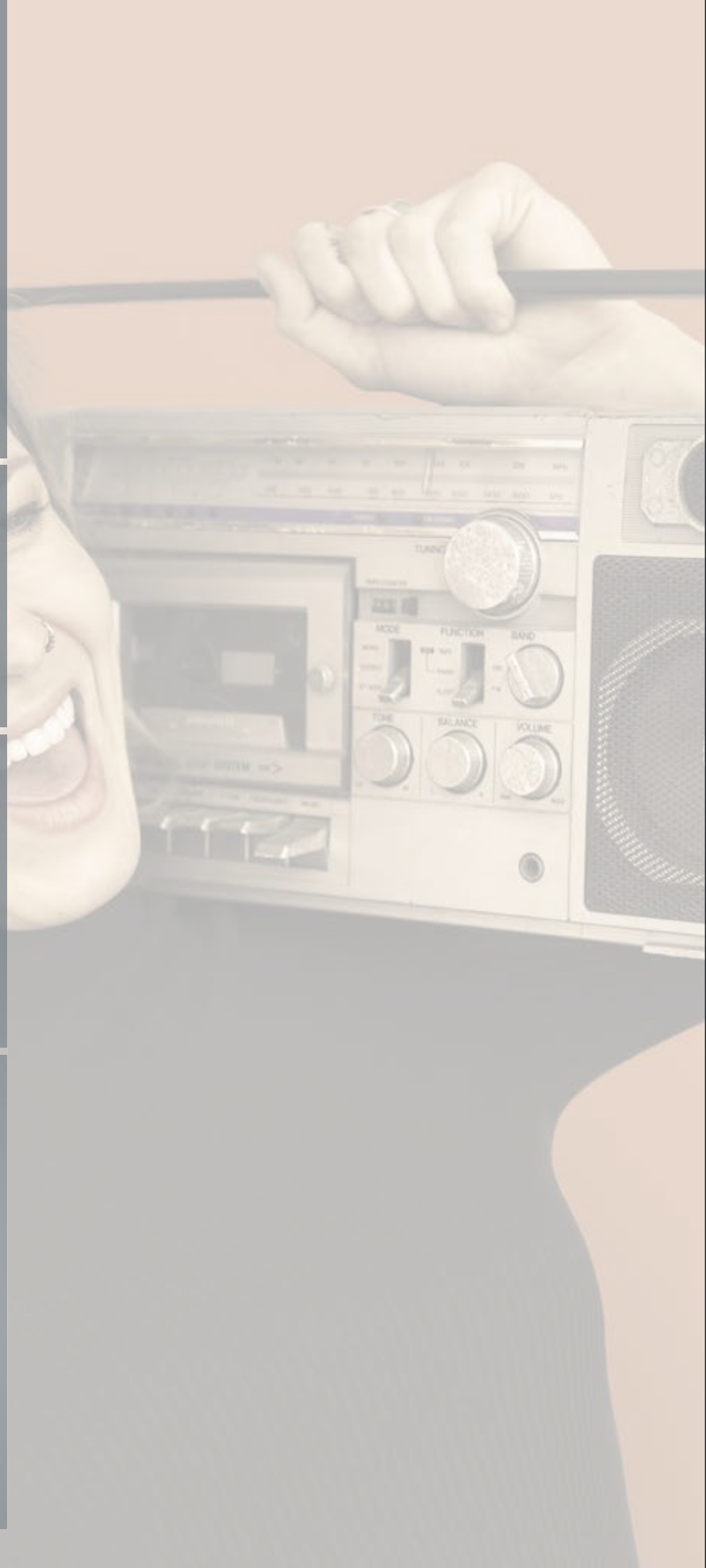
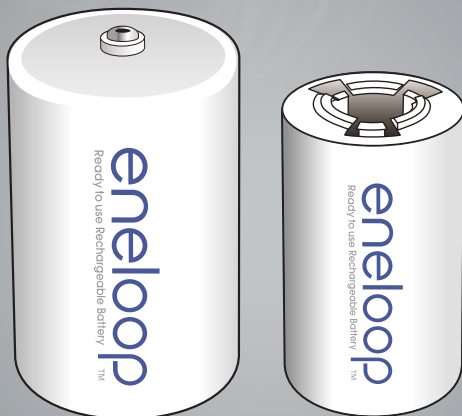
Some appliances, tools or devices
require other battery sizes
than AA or AAA

(large torches, portable outdoor radios,
musical instruments, toys)

Adaptor to transfer AA batteries
to C or D size batteries

AA ▶ C AA ▶ D

eneloop quality in C & D size

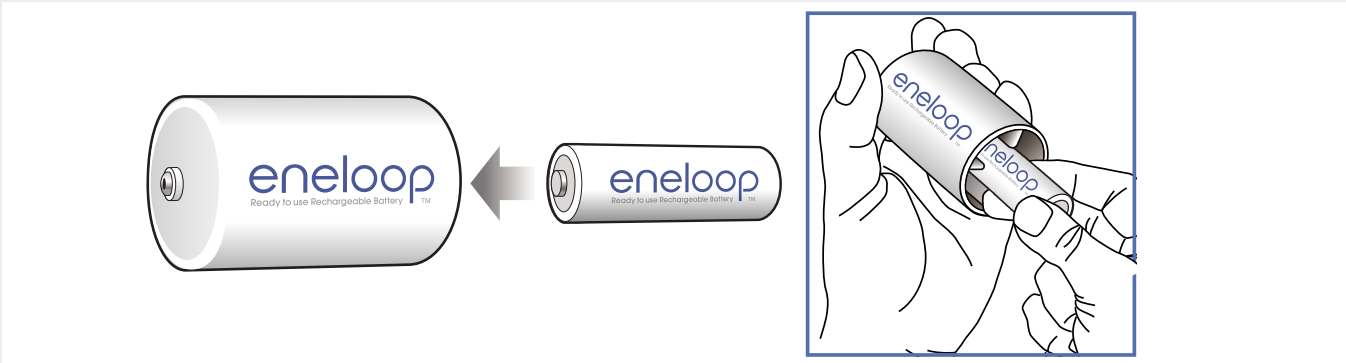


Transform an AA into a C- or D-battery

Even though 85%⁽¹⁾ of all disposable batteries sold are either AA or AAA size, there are still some applications, which require other battery sizes. The two next common sizes are C and D. Typical examples, where these sizes are required are big torches or portable radios. For these cases we offer also simple but smart adaptors, which transform an AA-size eneloop into a C- or D-size battery.

HOW-TO

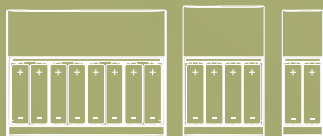
Plug the eneloop into the C- or D-size adaptor and you can use it in your equipment. Of course the adaptors only adapt the mechanical dimensions of the eneloop battery (length and diameter) and obviously not its electrical characteristics. The voltage and the capacity remain unchanged to the eneloop AA specification.



Name	Size	Global Code	CSU EAN	Spacers/ Blister	Blisters/ Carton	Cartons/ Outer Carton
spacer	D	BQ-BS1E/2E	5410853052838	2	6	4
spacer	C	BQ-BS2E/2E	5410853052845	2	6	4

⁽¹⁾ Based on Nielsen data 2018 of alkaline and zinc batteries sales.

Wide charger portfolio based on
different consumer needs



Can be used all over the world
(100-240V)



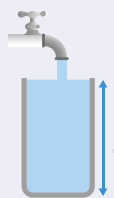
All chargers have
safety timer cut-off



The ideal partner for your eneloop Ready to Use rechargeable batteries

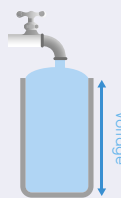
eneloop offers an extensive range of chargers to charge your eneloop batteries. Basic chargers and USB-chargers, Smart & Quick chargers or even professional chargers, we offer chargers for everyone's needs.

Charging techniques explained



Smart Charge

detects voltage and stops charging just before overflow, for a longer battery life.



Delta V ($-\Delta V$)

detects voltage and stops charging just after overflow.



Timer Cut

recharges for a preset time, even if the battery is full.

Chargers

PROFESSIONAL CHARGER



Professional charger - BQ-CC65

- ▶ Rapid Charge – 2x AA: ± 2 hours / 4x AA: ± 4 hours
- ▶ Individual battery charge control (Smart Charge⁽¹⁾)
- ▶ Can charge 1, 2, 3 or 4 batteries at the same time
- ▶ Possibility to charge your phone via integrated USB port
- ▶ Large LCD showing battery status: Battery Capacity / Life Check / Discharge Mode
- ▶ Can be used all over the world (100-240V / 50-60Hz)
- ▶ Connected via AC cable

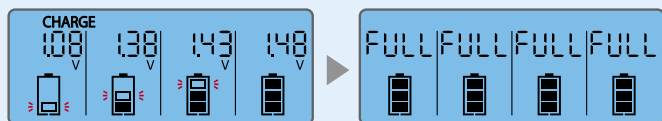
More information:



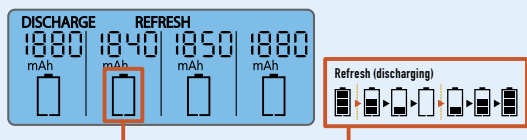
LCD Display

- ▶ LCD Status shows voltage/operation time remaining
- ▶ Eco Counter (number of batteries charged / saved from the trash)
- ▶ End of Life advanced warnings
- ▶ Abnormality Detection for incompatible batteries
- ▶ Maintenance Mode information
- ▶ Discharge Function including battery condition

Charging



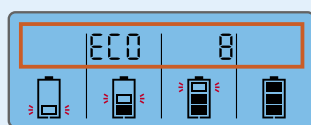
Refresh (Discharging)



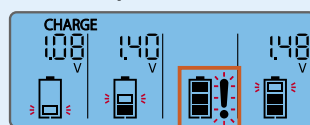
Abnormal



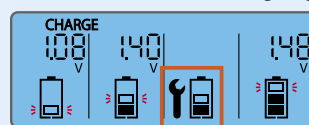
Eco Counter



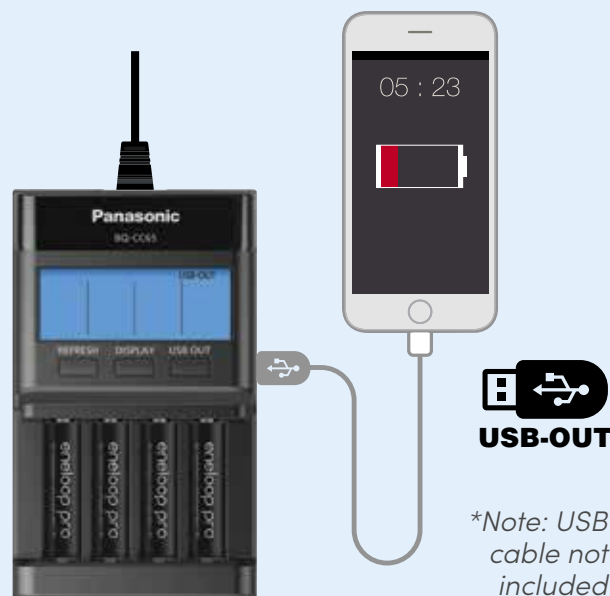
End of Cycle Life is near



Maintenance Charging



Charge mobiles and tablets via the USB output



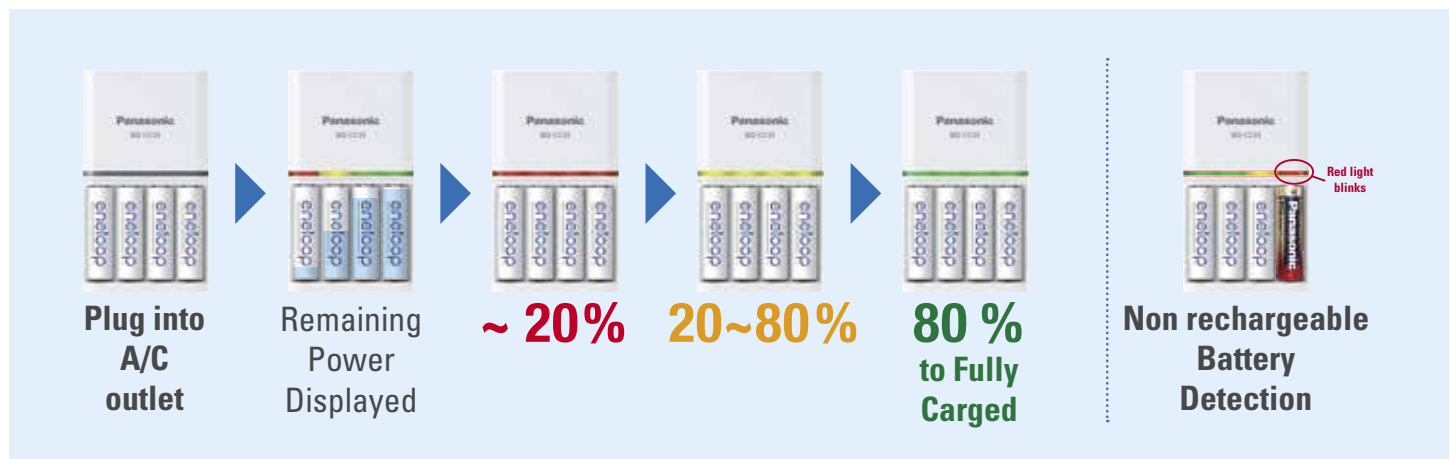
⁽¹⁾ This charger has a "Smart Charge" function which checks the voltage and temperature of a battery automatically. Thanks to the "Smart Charge" function, it saves charging time and loss of energy and money.

Chargers

STANDARD 4-SLOT CHARGERS

Smart & Quick charger - BQ-CC55

- ▶ Rapid Charge – 2x AA: ± 1.5 hours / 4x AA: ± 3 hours
- ▶ Can charge 1, 2, 3 or 4 batteries at the same time
- ▶ Individual battery charge control (Smart Charge⁽¹⁾)
- ▶ 4 LED's indicate charging status
(ON = charging; OFF = fully charged)
- ▶ Can be used all over the world (100-240V / 50-60Hz)
- ▶ Fixed plug
- ▶ Available in black or white



Advanced charger - BQ-CC17

- ▶ Charging time – AA (2,000mAh): ± 7 hours / AAA (800mAh): ± 6 hours
 - ▶ Can charge 1, 2, 3 or 4 batteries at the same time
 - ▶ Individual battery charge control (Delta V⁽²⁾)
- ▶ 4 LED's indicate charging status (ON = charging; OFF = fully charged)
 - ▶ Can be used all over the world (100-240V / 50-60Hz)
 - ▶ Fixed plug

⁽²⁾ Explanation charging controls: see p. 45

Chargers

FREQUENT CHARGING / OFFICE CHARGER



8 cells charger - BQ-CC63

- ▶ Charging time – AA (2,000mAh): ± 5 hours / AAA (800mAh): ± 3 hours
 - ▶ Can charge 1, 2, 3, 4, 5, 6, 7 or 8 batteries at the same time
 - ▶ Individual battery charge control (Delta V⁽¹⁾)
- ▶ 8 LED's indicate charging status (ON = charging; OFF = fully charged)
 - ▶ Can be used all over the world (100-240V / 50-60Hz)
 - ▶ Connected via AC cable (included)



Individual
Charge



will not charge

Non rechargeable
Battery Detection

ENTRY CHARGERS



Compact charger - BQ-CC50

- ▶ Charging time – AA (2,000mAh): ± 10 hours / AAA (800mAh): ± 10 hours
 - ▶ Can charge 1 or 2 batteries at the same time
 - ▶ Charging control: individual Timer Cut⁽¹⁾ (13 hours)
- ▶ 2 LED's indicate charging status (ON = charging; OFF = fully charged – Timer Cut⁽¹⁾)
 - ▶ Can be used all over the world (100-240V / 50-60Hz)
 - ▶ Fixed plug

⁽¹⁾ Explanation charging controls: see p. 45

Chargers

Basic charger - BQ-CC51

- ▶ Charging time – AA (2,000mAh): ± 10 hours / AAA (800mAh): ± 10 hours
- ▶ Can charge 2 or 4 batteries at the same time
- ▶ Charging control: Timer Cut ⁽¹⁾ (13 hours)
- ▶ 2 LED's indicate charging status per battery pair
(ON = charging; OFF = fully charged - Timer Cut ⁽¹⁾)
- ▶ Can be used all over the world (100-240V / 50-60Hz)
- ▶ Fixed plug



ENTRY USB-IN CHARGERS



BQ-CC80 - compact USB-in charger

- ▶ Charging time – AA (2,000mAh): ± 10 hours / AAA (800mAh): ± 10 hours
- ▶ Can charge 2 batteries at the same time
- ▶ Charging control: Timer Cut ⁽¹⁾ (10 hours)
 - ▶ 1 LED indicates charging status
(ON = charging; OFF = fully charged)
 - ▶ USB cable included

BQ-CC61 - USB-in charger

- ▶ Charging time – AA (2,000mAh): ± 10 hours / AAA (800mAh): ± 10 hours
- ▶ Can charge 2 or 4 batteries at the same time
- ▶ Charging control: Timer Cut ⁽¹⁾ (10 hours)
- ▶ 2 LED's indicate charging status per battery pair
(ON = charging; OFF = fully charged - Timer Cut ⁽¹⁾)
- ▶ USB cable included



Chargers



CSU EAN	Global Code	Batteries included	Battery Size	Plug	Charger dimensions	Charger net weight	Chargers/ Carton
5410853060017	BQ-CC65E	—	—	EU	144 x 86 x 40 mm	225 g	4
5410853060024	BQ-CC65U	—	—	UK	144 x 86 x 40 mm	225 g	4
5410853057628	BQ-CC55E	—	—	EU	121 x 68 x 65.5 mm	124 g	8
5410853057635	K-KJ55HCD40E	4x eneloop pro	AA	EU	121 x 68 x 65.5 mm	124 g	8
5410853057673	K-KJ55HCD40U	4x eneloop pro	AA	UK	121 x 68 x 62 mm	131 g	8
5410853057642	K-KJ55MCC40E	4x eneloop	AA	EU	121 x 68 x 65.5 mm	124 g	8
5410853057666	K-KJ55MCC40U	4x eneloop	AA	UK	121 x 68 x 62 mm	131 g	8
5410853052296	K-KJ17MCC40E	4x eneloop	AA	EU	105 x 65 x 65 mm	107 g	8
5410853059998	BQ-CC63E	—	—	EU	119 x 147 x 28 mm	236 g	4
5410853060000	BQ-CC63U	—	—	UK	119 x 147 x 28 mm	236 g	4
5410853056676	BQ-CC51E	—	—	EU	108 x 66 x 65.1 mm	100 g	8
5410853056683	K-KJ51MCC40E	4x eneloop	AA	EU	108 x 66 x 65.1 mm	100 g	8
5410853056690	K-KJ51MCC04E	4x eneloop	AAA	EU	108 x 66 x 65.1 mm	100 g	8
5410853057680	K-KJ51MCC40U	4x eneloop	AA	UK	108 x 66 x 62 mm	110 g	8
5410853057659	K-KJ50MCC20E	2x eneloop	AA	EU	121 x 50 x 66.2 mm	86 g	8
5410853061649	BQ-CC80USB	—	—	USB	90 x 40 x 25 mm	51.5 g	8
5410853061427	K-KJ80MCC20USB	2x eneloop	AA	USB	90 x 40 x 25 mm	51.5 g	8
5410853059882	BQ-CC61USB	—	—	USB	85 x 66 x 27 mm	78 g	4
5410853060406	K-KJ61MCC40USB	4x eneloop	AA	USB	85 x 66 x 27 mm	78 g	4

Chargers



Charger overview

PROFESSIONAL



BQ-CC65

Professional charger

STANDARD CHARGERS



BQ-CC55
K-KJ55MCC

Smart & Quick charger



BQ-CC17
K-KJ17MCC

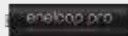

Advanced charger

OFFICE CHARGER



BQ-CC63

8 cells charger

Battery Type		Ni-MH		Ni-MH		Ni-MH		Ni-MH	
Charging Time		1 / 2 pcs.	3 / 4 pcs.	1 / 2 pcs.	3 / 4 pcs.	1 - 4 pcs.		1 - 8 pcs.	
 eneloop pro	AA	2 hrs.	4 hrs.	2 hrs.	4 hrs.	9 hrs.		6 hrs.	
	AAA	2 hrs.	4 hrs.	2 hrs.	4 hrs.	7 hrs.		3.5 hrs.	
 eneloop	AA	1.5 hrs.	3 hrs.	1.5 hrs.	3 hrs.	7 hrs.		5 hrs.	
	AAA	1.5 hrs.	3 hrs.	1.5 hrs.	3 hrs.	6 hrs.		3 hrs.	
 eneloop lite	AA	0.75 hrs.	1.5 hrs.	0.75 hrs.	1.5 hrs.	3.5 hrs.		2.5 hrs.	
	AAA	1.25 hrs.	2.5 hrs.	1.25 hrs.	2.5 hrs.	5 hrs.		2.5 hrs.	
Specifications									
Input		AC100-240V 50-60Hz		AC100-240V 50-60Hz		AC100-240V 50-60Hz		AC100-240V 50-60Hz	
Charging output		DC 5V 1A / USB-A 1-slot DC 1.5V AA 750mA x 4 DC 1.5V AAA 275mA x 4		DC 1.5V AA 550mA x 4 AAA 275mA x 4		DC 1.5V AA 300mA x 4 AAA 150mA x 4		DC 1.5V AA 500mA x 8 AAA 300mA x 8	
Charging control		Smart Charge ⁽¹⁾		Smart charge ⁽¹⁾		Delta V ⁽¹⁾		Delta V ⁽¹⁾	
Indicator		LCD display : Battery capacity - Life check Discharge mode		LED x 4 Charging: ON, Fully charged: OFF		LED x 4 Charging: ON, Fully charged: OFF		LED x 8 Charging: ON, Fully charged: OFF	
Charger battery		AA x 1 - 4 cells AAA x 1 - 4 cells		AA x 1 - 4 cells AAA x 1 - 4 cells		AA x 1 - 4 cells AAA x 1 - 4 cells		AA x 1 - 8 cells AAA x 1 - 8 cells	
Dimensions (approx.)		L x W x D: 144 x 86 x 40 mm		L x W x D: 121 x 68 x 65.5 mm		L x W x D: 105 x 65 x 65 mm		L x W x D: 119 x 147 x 28 mm	
Weight (approx.)		225g (without AC cord)		EU: 124g / UK: 131g		107g		236g (without AC cord)	

⁽¹⁾ Explanation charging controls: see p. 45

NEW

ENTRY CHARGERS



BQ-CC50

Basic
charger

Ni-MH

BQ-CC50
K-KJ50MCCCompact
charger





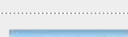
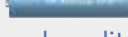
Ni-MH

BQ-CC61
K-KJ61MCCUSB-in
charger

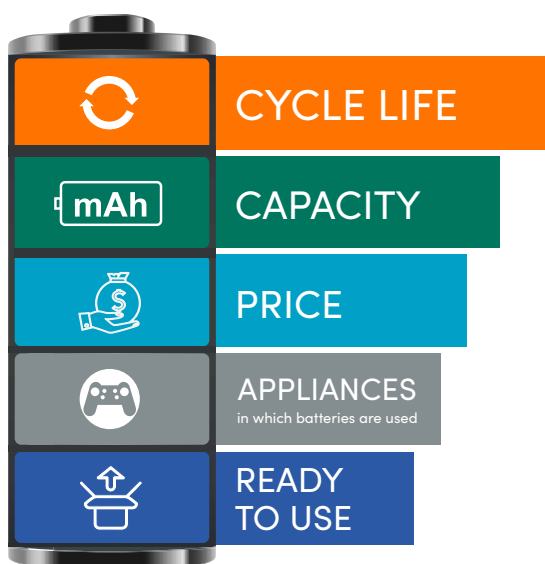
Ni-MH

BQ-CC80
K-KJ80MCCCompact
USB-in charger

Ni-MH

				Battery Type
				Charging Time
2 / 4 pcs.	1 - 2 pcs.	2 / 4 pcs.	2 pcs.	
12 hrs.	12 hrs.	not fully charged	not fully charged	AA 
12 hrs.	12 hrs.	not fully charged	not fully charged	AAA 
10 hrs.	10 hrs.	10 hrs.	10 hrs.	AA 
10 hrs.	10 hrs.	10 hrs.	10 hrs.	AAA 
5 hrs.	5 hrs.	5 hrs.	5 hrs.	AA 
8 hrs.	8 hrs.	8 hrs.	8 hrs.	AAA 
AC100-240V 50-60Hz	AC100-240V 50-60Hz	DC 5V	DC 5V	Input
DC 3V AA 250mA x 2 AAA 120mA x 2	DC 1.5V AA 250mA x 2 AAA 120mA x 2	DC 3V AA 200mA x 2 AAA 80mA x 2	DC 3V AA 200mA x 1 AAA 80mA x 1	Charging output
Timer cut ⁽¹⁾ (13 hours)	Timer cut ⁽¹⁾ (13 hours) individual	Timer cut ⁽¹⁾ (10 hours)	Timer cut ⁽¹⁾ (10 hours)	Charging control
LED x 2 Charging: ON, Fully charged: OFF	LED x 2 Charging: ON, Fully charged: OFF	LED x 2 Charging: ON, Fully charged: OFF	LED Charging: ON, Fully charged: OFF	Indicator
AA x 2 or 4 cells AAA x 2 or 4 cells	AA x 1 - 2 cells AAA x 1 - 2 cells	AA x 2 or 4 cells AAA x 2 or 4 cells	AA x 2 cells AAA x 2 cells	Charger battery
L x W x D: 108 x 66 x 65.1 mm	L x W x D: 121 x 50 x 66.2 mm	L x W x D: 85 x 66 x 27 mm	L x W x D: 90 x 40 x 25 mm	Dimensions (approx.)
EU: 100g / UK: 110g	86g	78g (without USB cord)	51.5g (without USB cord)	Weight (approx.)

Shopper insights



Main reasons
to buy
rechargeable
batteries

Cycle life is one of the most important key drivers for buying rechargeable batteries.

38%
buy in
RETAIL FOOD



32%
buy in
OTHER CHANNELS



In which
channels

do people buy
rechargeable
batteries?



12%
buy in
RETAIL NON FOOD



10%
buy in
E-COMMERCE



8% buy in
DISCOUNT



Search info
BEFORE
purchasing



31% of the shoppers
in electronic shops



33% of the online
shoppers

vs. **23%** in average



Search info
WHILE
purchasing



35% of the shoppers
in electronic shops

- asking staff
- online (via smartphone)
- on pack



39% of the online
shoppers

- ratings & reviews
- product page on webshop
- other webshops

vs. **25%** in average

eneloop
channel shoppers
(electro & online) need
**a LOT OF
INFORMATION**
before & during
purchase

Even when purchases are done OFFLINE (electronic shop),
people search ONLINE for info on the product
(both before and while purchasing)

ROPO: Research Online Purchase Offline

**WHAT INFO
ARE THEY
SEARCHING FOR?**



1. PRICE
2. PERFORMANCE
3. BATTERY TECHNOLOGY

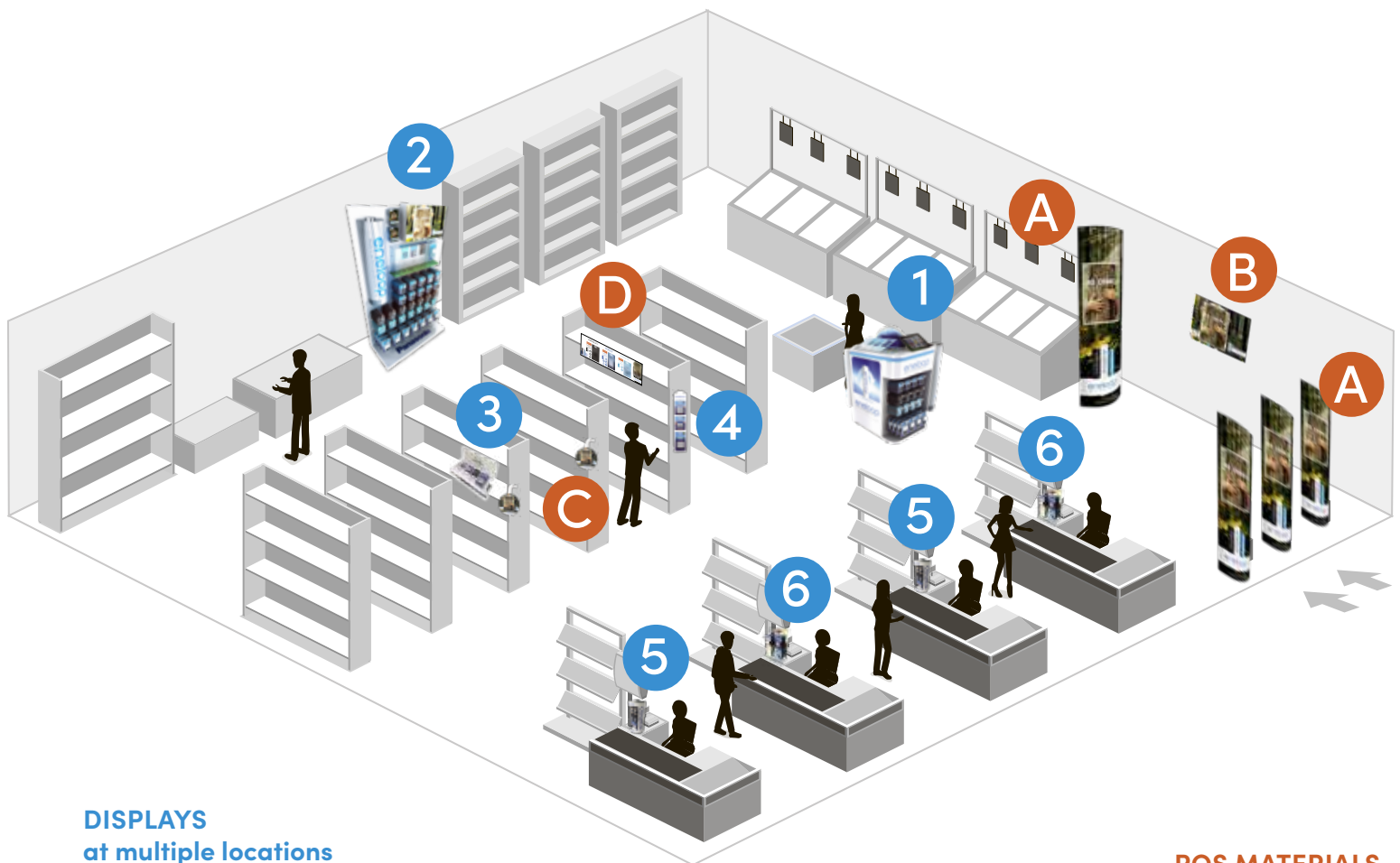


1. PERFORMANCE
2. BATTERY TECHNOLOGY
3. PRICE

Source: Haystack rechargeable online survey July 2018 n:2007 in Germany, Poland, UK, Italy & France.

Multiple locations in store

To increase visibility and sell out, communicating on multiple locations in stores is very important: at the battery shelf, near the toy/electro shelf, in displays and at the checkout. Multilocation is the key to a successful battery business and can lead to a significant sales increase.



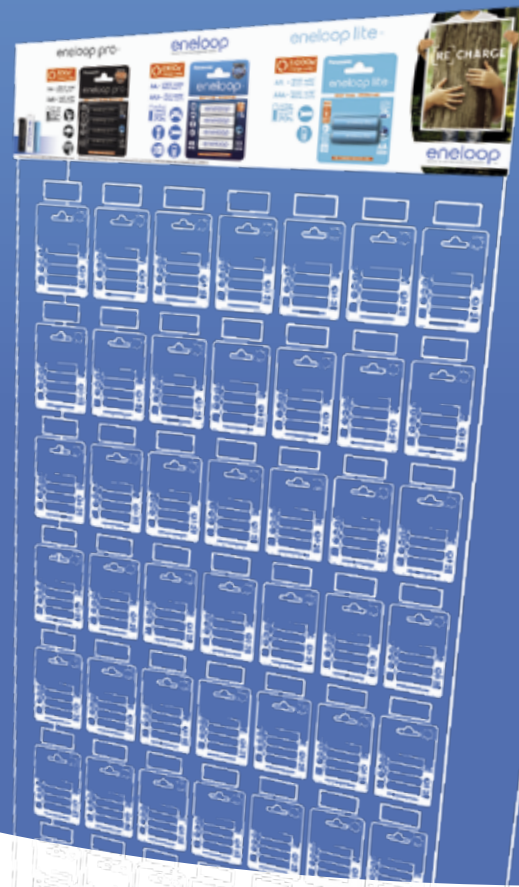
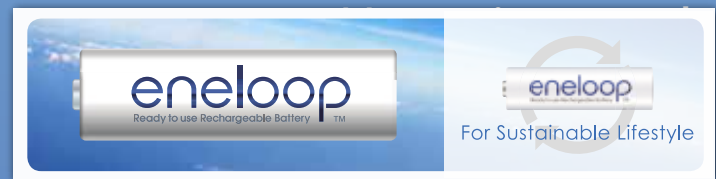
DISPLAYS at multiple locations

- ① eneloop Gold display
- ② eneloop Silver display
- ③ eneloop Bronze display (in shelf)
- ④ eneloop 3H magnetic display
- ⑤ eneloop battery shaped counter display
- ⑥ eneloop plastic counter display

POS MATERIALS at multiple locations

- Ⓐ eneloop Totem
- Ⓑ eneloop A3 Poster
- Ⓒ eneloop Wobblers
- Ⓓ eneloop Magnetic Topcards

POS materials



Magnetic topcards

500 x 125 mm



► Totem
(200 x 60 cm)



► Wobbler

► Blistersized
leaflet



► A3 poster



► Display
insert



Display overview

2H / 3H magnetic hang display

2H METAL HANG DISPLAY

- ▶ Compact hang display
- ▶ Ideal for 2x single blisters
- ▶ Includes price tags
- ▶ Height: xxx mm / Width: 105 mm
- ▶ Net weight: xxx kg
- ▶ N° of hooks: 2 (flexi)
- ▶ Hook length: 18 cm
- ▶ Max # AA/4BP per hook: 12
- ▶ Max # AAA/4BP per hook: 16
- ▶ Max # chargers per hook: 3

3H METAL HANG DISPLAY

- ▶ Compact hang display
- ▶ Ideal for 2x single blisters and 1x chargers
- ▶ Includes price tags
- ▶ Height: 490 mm / Width: 105 mm
- ▶ Net weight: 0,787 kg
- ▶ N° of hooks: 3 (flexi)
- ▶ Hook length: 18 cm
- ▶ Max # AA/4BP per hook: 12
- ▶ Max # AAA/4BP per hook: 16
- ▶ Max # chargers per hook: 3



6H battery shaped counter display

- ▶ Premium counter display
- ▶ For single blisters & wideblisters
- ▶ Height: 560 mm / Width: 280 mm / Depth: 230 mm
 - ▶ Net weight: 8 kg
- ▶ N° of hooks (anti-theft): 6 (fixed)
 - ▶ Hook length: 19 cm
- ▶ Max. # AA/4BP per hook: 12
- ▶ Max. # AAA/4BP per hook: 16

4H plastic counter display

- ▶ Replaceable communication
- ▶ For single blisters & wideblisters
- ▶ Height: 350 mm / Width: 230 mm / Depth: 150 mm
- ▶ Net weight: 1.5 kg
- ▶ N° of hooks: 4 (flexi)
- ▶ Hook length: 12 cm
- ▶ Max. # AA/4BP per hook: 5
- ▶ Max. # AAA/4BP per hook: 7





eneloop Bronze display

- ▶ Focus on eneloop pro, eneloop, eneloop lite and 1 charger
 - ▶ Consumer leaflet holder included
- ▶ Blisters can be changed depending on customer focus
 - ▶ Can be fixed to a shelf (incl. metal hooks)
 - ▶ Replaceable topcard
- ▶ Height: 240 mm / Width: 456 mm / Depth: 216 mm
 - ▶ Net weight: 2.9 kg

eneloop Silver display

- ▶ Gondola end display on wheels
- ▶ Attractive branding in store
- ▶ Focus on eneloop key visual & concept
- ▶ Focus on eneloop pro, eneloop, eneloop lite and chargers
- ▶ 2 consumer leaflet holders included
- ▶ Height: 1750 mm / Width: 1000 mm / Depth: 500 mm
- ▶ Net weight: 65 kg
- ▶ N° of hooks: 31 (fixed)
- ▶ Hook length: 18 cm
- ▶ Max. # AA/4BP per hook: 12
- ▶ Max. # AAA/4BP per hook: 16
- ▶ Max. # chargers per hook: 3



eneloop Gold display

- ▶ Island display on wheels
- ▶ Attractive branding in store
- ▶ Focus on eneloop concept & portfolio
- ▶ Focus on eneloop pro, eneloop, eneloop lite and chargers
 - ▶ 2 consumer leaflet holders included
 - ▶ Movie screen included
- ▶ Height: 1750 mm / Width: 1000 mm / Depth: 500 mm
 - ▶ Net weight: 65 kg
 - ▶ N° of hooks: 31 (fixed)
 - ▶ Hook length: 18 cm
 - ▶ Max. # AA/4BP per hook: 12
 - ▶ Max. # AAA/4BP per hook: 16
 - ▶ Max. # chargers per hook: 3



Online communication



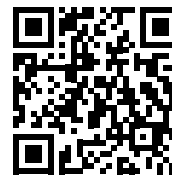
www.panasonic-eneloop.eu

You Tube



eneloopglobal

Find us on
Facebook



eneloop.eu

Follow us on
Instagram



eneloop_europe



eneloop's Partner Portal

where you can find all relevant
Marketing and product information



- Product spec sheets
- Packaging spec sheets
- Display information
- Sales folders
- Charger manuals
- Certificates
- Product visuals
- Lifestyle visuals
- Advertisement
- Logo's
- ...



www.partner.panasonicenergy.eu

Where to buy eneloop batteries?

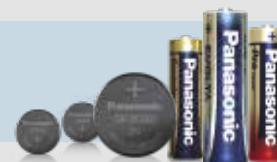


Please follow the link of the
QR-code to find a local dealer
or webshop.

Go to: www.panasonic-eneloop.eu



Also interested in other
Panasonic solutions?
Please see our Panasonic
Battery Catalogue 2019-2020



Technical specifications

eneloop pro

Model N°	Size	Technology	Voltage	Capacity	Height	Diameter	Weight
BK-3HCDE	AA	Rechargeable Ni-MH	1.2 V	min. 2,500 mAh	50.4 mm	14.35 mm	29.9 g
BK-4HCDE	AAA	Rechargeable Ni-MH	1.2 V	min. 900 mAh	44.5 mm	10.5 mm	12.5 g

eneloop

Model N°	Size	Technology	Voltage	Capacity	Height	Diameter	Weight
BK-3MCCE	AA	Rechargeable Ni-MH	1.2 V	min. 1,900 mAh	50.4 mm	14.35 mm	26 g
BK-4MCCE	AAA	Rechargeable Ni-MH	1.2 V	min. 750 mAh	44.5 mm	10.5 mm	11.6 g

eneloop lite

Model N°	Size	Technology	Voltage	Capacity	Height	Diameter	Weight
BK-3LCCE	AA	Rechargeable Ni-MH	1.2 V	min. 950 mAh	50.4 mm	14.35 mm	18.2 g
BK-4LCCE	AAA	Rechargeable Ni-MH	1.2 V	min. 550 mAh	44.5 mm	10.5 mm	10.1 g

eneloop for DECT

Model N°	Size	Technology	Voltage	Capacity	Height	Diameter	Weight
BK-4MCCE	AAA	Rechargeable Ni-MH	1.2 V	min. 750 mAh	44.5 mm	10.5 mm	11.6 g
BK-4LCCE	AAA	Rechargeable Ni-MH	1.2 V	min. 550 mAh	44.5 mm	10.5 mm	10.1 g

spacers

Model N°	Size	Height	Diameter	Weight
BQ-BS1E	D	61.4 mm	32.15 mm	20.9 g
BQ-BS2E	C	48.02 mm	25.12 mm	10.3 g

Cross reference

	AA		
	High	Middle	Low
Blister			
Subbrand	eneloop pro	eneloop	eneloop lite
Min. capacity ⁽¹⁾	2,500 mAh	1,900 mAh	950 mAh
Cycle life ⁽²⁾	500 times	2,100 times	3,000 times
Low self discharge ⁽¹⁾	up to 85% after 1 year	up to 70% after 10 years	up to 70% after 5 years
Charge		0 ~40°C	
Discharge		-5 – 50°C	

	AAA		
	High	Middle	Low
Blister			
Subbrand	eneloop pro	eneloop	eneloop lite
Min. capacity ⁽¹⁾	930 mAh	750 mAh	550 mAh
Cycle life ⁽²⁾	500 times	2,100 times	3,000 times
Low self discharge ⁽¹⁾	up to 85% after 1 year	up to 70% after 10 years	up to 70% after 5 years
Charge		0 ~40°C	
Discharge		-5 – 50°C	

⁽¹⁾ Panasonic internal IEC61951-2(7.3.2) testing (varies according to conditions of use).
⁽²⁾ Panasonic internal testing IEC61951-2 2011(7.5.1.3); 150 cycles (eneloop pro), 600 cycles (eneloop) and 1,000 cycles (eneloop lite) according to IEC61951-2 2017(7.5.1.4).

www.panasonic-eneloop.eu
www.facebook.com/eneloop.eu



Copyright© Panasonic Energy Europe ("PECE") 2019 - All rights reserved. "All product information contained in this brochure is for information purposes only. Since product specifications/availability may differ from country to country, the information contained herein should not be used or relied upon as a substitute for information that is available to you from the local PANASONIC Batteries dealers. The information contained herein is designed to be as comprehensive as possible. PECE reserves the right, however, to make changes at any time, without notice, to models, equipment, specifications and availability. 01/2019. Promoter: Panasonic Energy Europe N.V., T. Maeda, Brusselsesteenweg 502, 1731 Zellik, Belgium For other local offices: www.panasonic-batteries.com

99162014

