Panasonic

eneloop

Ready to use Rechargeable Battery ™

PRODUCT CATALOGUE 2024

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eneloop
Ready to use Rechargeable Battery ™

What is eneloop?

The only battery you will ever need!

eneloop is the pre-charged, long-life, recyclable rechargeable battery that saves energy and money by being able to be charged and discharged up to 2100 times [1].

eneloop represents a new lifestyle

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

Help 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] Battery cycle life 2100 times based on testing method established by IEC 61951-2 (7.5.1.3). 600 times based on IEC 61951-2 2017 (7.5.1.4). Varies according to conditions of use.

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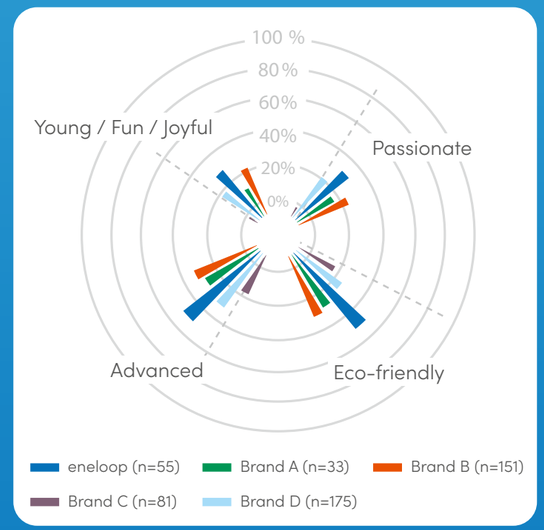
Research[2] has confirmed that eneloop is perceived to be the most eco-friendly, young, fun & joyful rechargeable brand compared to other rechargeable batteries, which have the same brand image values as alkaline batteries.

eneloop's brand image[2]



eneloop worldwide

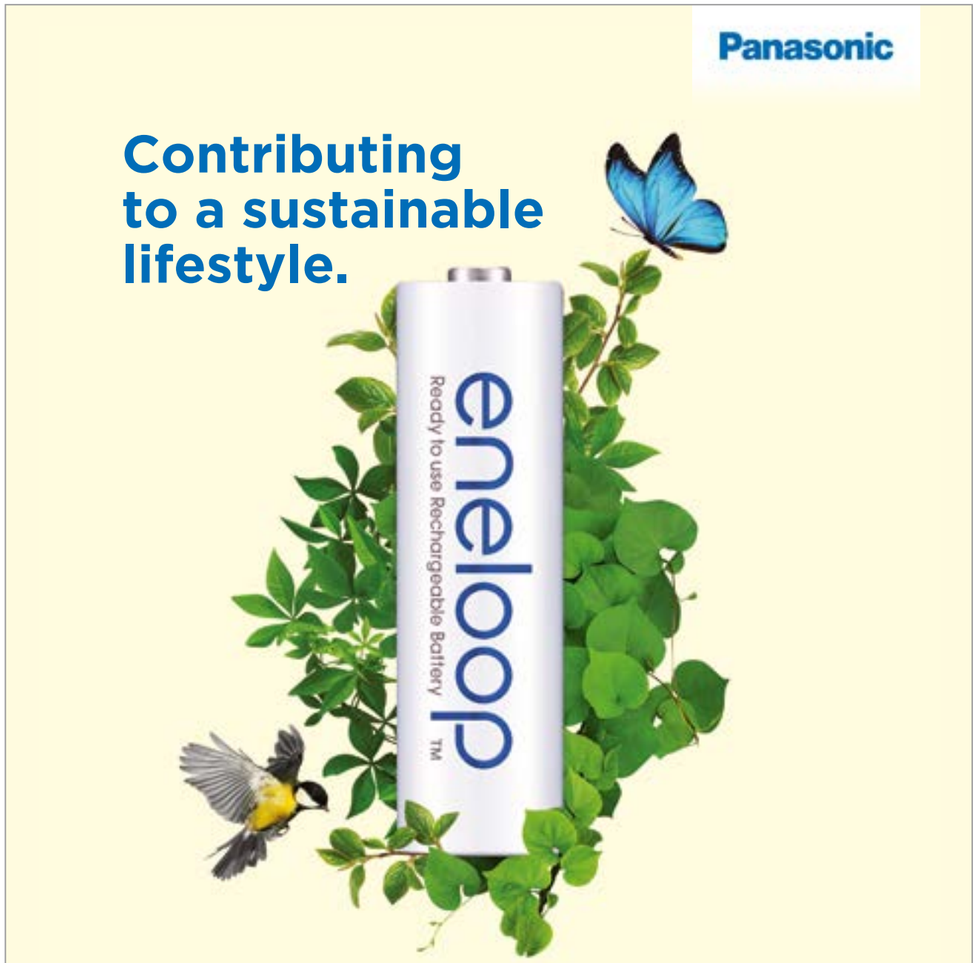
Sold in over **70** countries[3]

550 million batteries shipped worldwide[4]

Registered trademark in over **60** countries[5]

[2] Source: Haystack rechargeable online survey July 2018. n:2007 in GE, PL, UK, IT and FR.
[3] As of November 2020. [4] As of May 2021. [5] As of January 2019.

eneloop
Ready to use Rechargeable Battery TM



eneloop is a rechargeable battery

eneloop is a rechargeable battery offering a new lifestyle choice to customers. Developed with the concept of sustainability and care for the Earth, eneloop embodies the principles of 'Recharge' and 'Reuse' for realizing a Clean Energy Society. eneloop uses energy from the sun and envisions sustainable Clean Energy Lifestyle by encouraging repeated use. We will continue to offer Clean Energy Solutions so that we can live in harmony with the Earth.

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www.panasonic-eneloop.eu

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For a sustainable lifestyle

Use eneloop to save resources!

FOR A SUSTAINABLE LIFESTYLE

Each year, approximately 40 billion batteries are used worldwide. Replacing even a small percentage of these with eneloop will help save resources and conserve the environment.

eneloop is the 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.

World acclaimed quality

eneloop is shipped to over 70 countries and its Japanese inspired design and production are appreciated by consumers all over the world. Users feel a high level of satisfaction.

Made in Japan

+95% Satisfaction(1)

(1) Based on an internal survey of German users (March 2020).

eneloop
Ready to use Rechargeable Battery TM

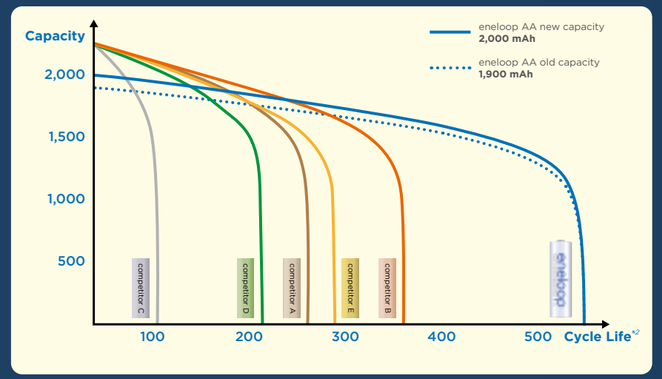
+ 600 - 1000 hours of gaming

+ 600 - 1000 hours of radio

Capacity up

Thanks to **continuous market research and R&D**, we are able to improve even more! We increased the capacity of our eneloop standard range batteries. **The eneloop AA battery increased from a minimum capacity of 1900 to 2000 mAh**. Also the performance of the **eneloop AAA battery went up with a minimum capacity of 800 mAh instead of 750 mAh**.

The reason for this increase in performance is to not only be a **leader in battery cycle life** but also be in the mix when we are talking capacity. Now we are making sure to be completely in line with the claimed capacities in the market. This in combination with our **low temperature discharge** claim, **longer cycle life** and **excellent long term storage** gives us a lot of unique selling points to keep growing.



*2 *internal testing based on IEC61951-2 2017 (7.5.1.4).*

	eneloop	competitor A	competitor B	competitor C	competitor D	competitor E
Claimed Capacity*	3rd		2nd	2nd		
Cycle Life		3rd	2nd	6th	4th	5th
Capacity after high temp. storage		5th	2nd	4th	3rd	6th
Low temperature discharge		6th	5th	4th	3rd	2nd
Long term storage		4th	5th	6th	2nd	3rd

Based on internal testing.
*1 Note: eneloop communicates minimum capacity, the competitor brands communicate average capacity (Panasonic estimation).

Ecological solution

Every recharged battery will prevent a battery being disposed of, and because eneloop retains 70%[2] capacity after 10 years in 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 at the same time reducing waste.

Low self discharge

Innovative technology in the production of eneloop ensures that the battery retains 70%[1] of capacity even after 10 years in storage.

No "memory effect"

Due to its higher starting voltage, there is no need to worry about the memory effect as the impact is much lower than other rechargeable batteries suffer.

Extreme Temperature Performance

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

Lasts much longer than Alkaline

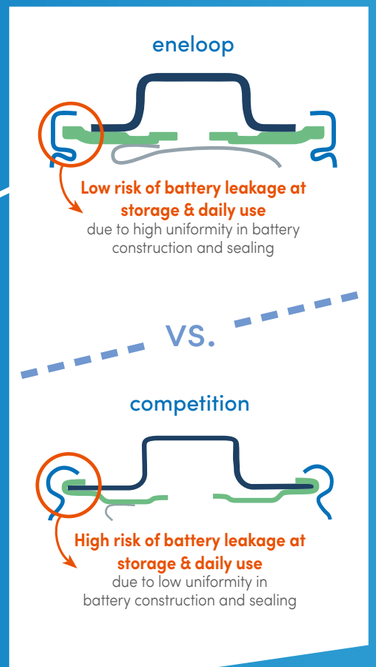
Due to its very stable voltage, it will last longer than alkaline batteries.

[2] Capacity retention based on testing method established by IEC 61951-2 (7.3.2) when stored at 20°C (based on Panasonic's estimation) and compared with minimum capacity. Varies according to conditions of use.
[3] Memory effect: see p.9 for more information.
[4] Operation time will be shorter than that at room temperature. Operating time varies according to equipment.

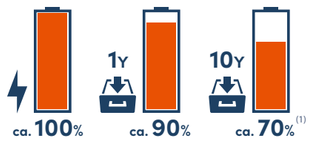
eneloop Ready to use Rechargeable Battery ™

Unbeatable cycle life

eneloop is developed using the latest production technologies and the finest grade materials. Thanks to the use of high grade 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.

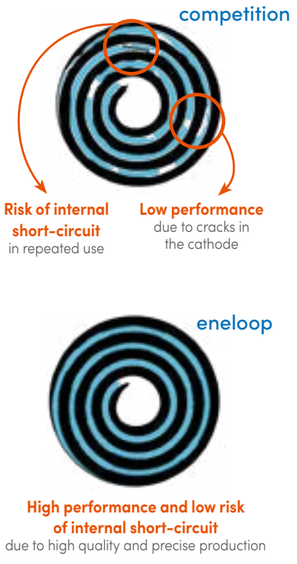


Low self-discharge



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) Capacity retention based on testing method established by IEC 61951-2 (7.3.2) when stored at 20°C (based on Panasonic's estimation) and compared with minimum capacity. Varies according to conditions of use.



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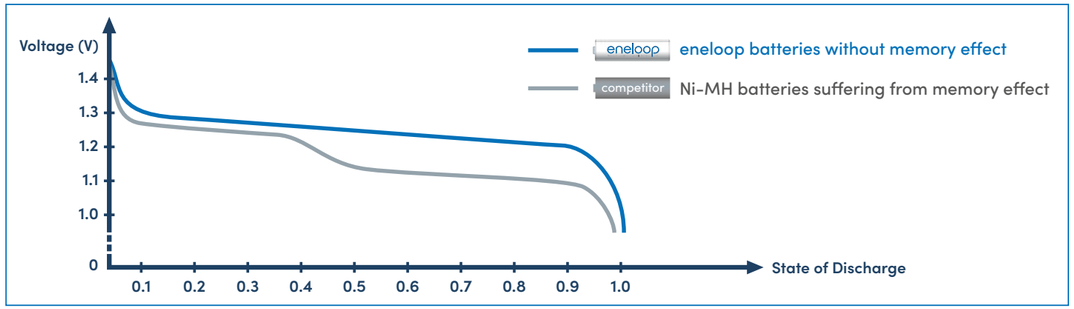
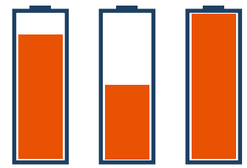
No "memory-effect"

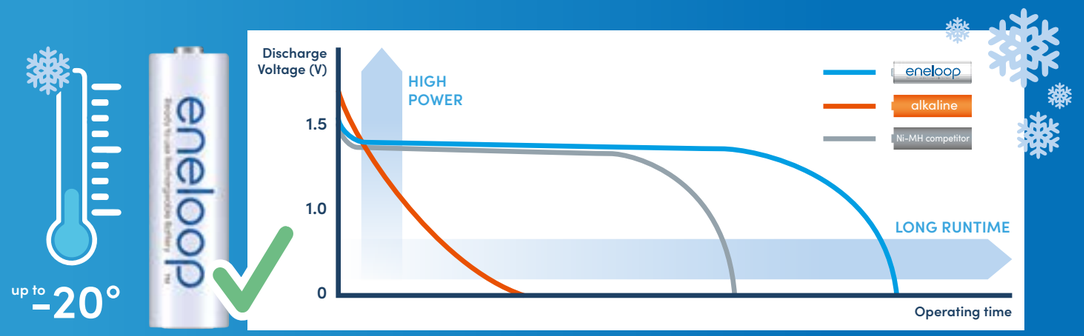


When a rechargeable battery that hasn't been fully discharged, is repeatedly topped up, it "remembers" that it's only been used for a short time. When used again, the voltage may quickly drop. This is called the memory effect. eneloop has a high voltage to begin with and so it maintains enough voltage 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) Operation time will be shorter than that at room temperature. Operating time varies according to equipment.

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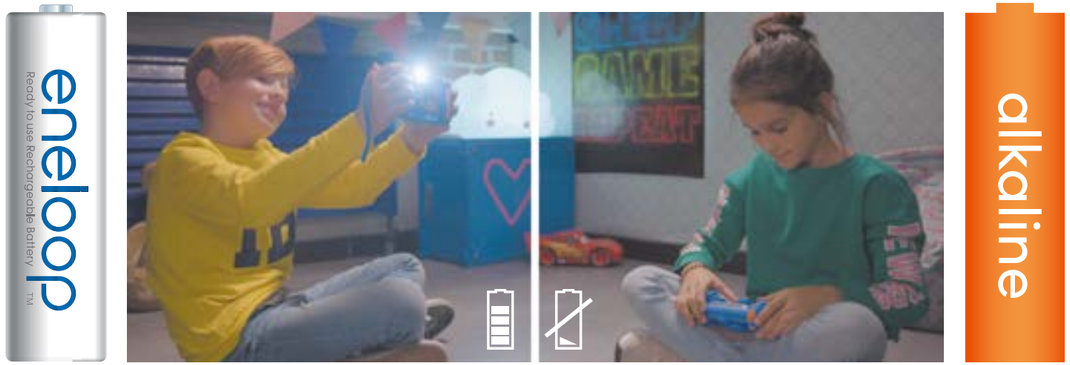
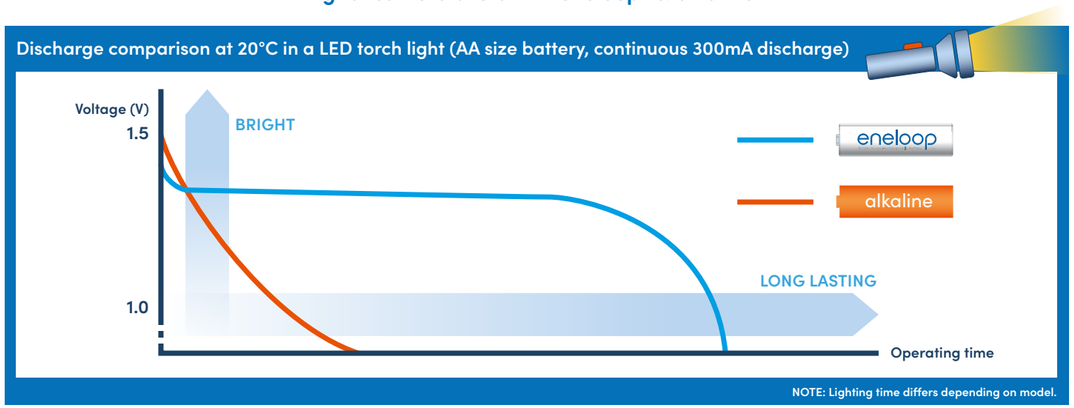
eneloop lasts much longer than an alkaline battery



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].

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 cel battery.

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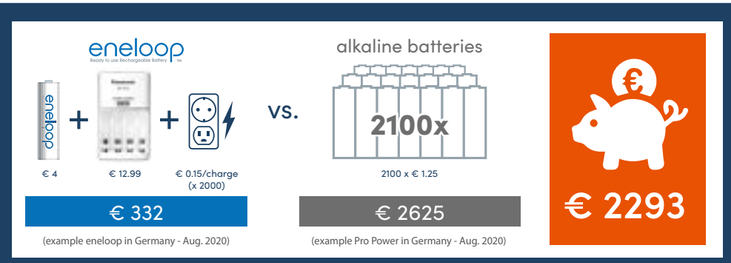
Save money with eneloop's unbeatable cycle life

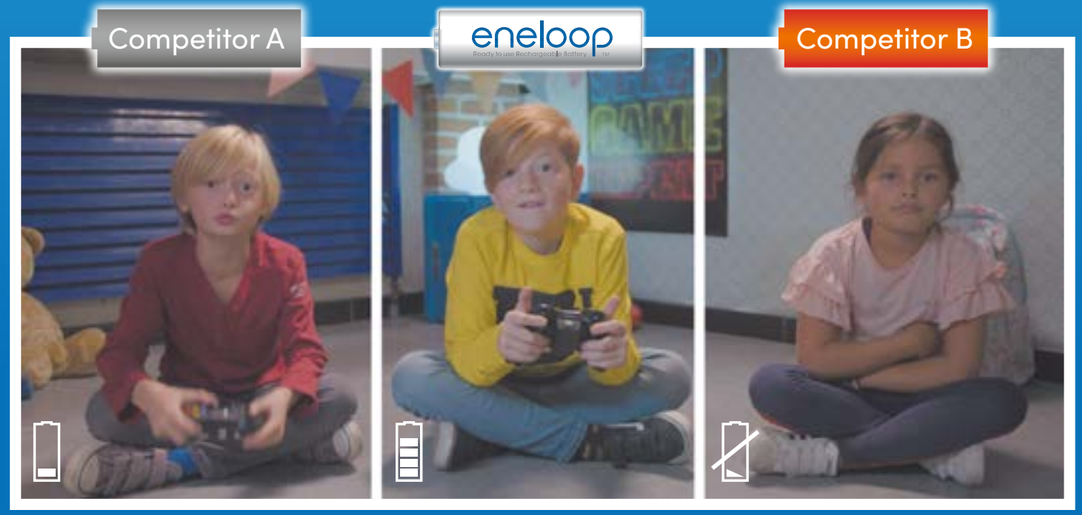


On average, families use around 70 batteries every year.[3]
By switching to eneloop, a single charger makes it possible to charge a year's worth of batteries.

keeps high discharge voltage after long term storage

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 drops below 1.1 volt. A traditional Ni-MH battery loses its voltage and quickly drops below this critical level after long term storage. eneloop however will keep the voltage level above 1.1 volt even after long term storage, and will only drop under that limit just before the battery is empty. That is one of the reasons why you can play longer with eneloop vs the competition.



[2] Battery cycle life 2100 times based on testing method established by IEC 61951-2 (7.5.1.3). 600 times based on IEC 61951-2 2017 (7.5.1.4). Varies according to conditions of use.
[3] Number used annually by a family with two adults and two children.

eneloop
Ready to use Rechargeable Battery TM

PLASTIC FREE PACKAGING

eneloop™

A solution for your different needs

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. All of the appliances can realize extended performance when powered by eneloop pro batteries.

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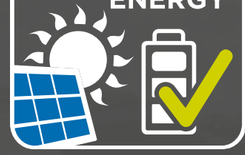
PRE-CHARGED with **SOLAR ENERGY**



After **1** year of storage

Capacity remains **85**% (3)

USABLE IN LOW TEMPERATURES

AA ▸ **2500 mAh** (1) Minimum capacity

AAA ▸ **930 mAh** (1) Minimum capacity

After 1 year capacity remains **85%** (1)

Our packagings are FSC® certified

FSC www.fsc.org FSC® N003949

The mark of responsible forestry

500x (2) Charge cycles

Item code	Size	Min. Capacity	Global Code	CSU EAN	Batteries/ CSU	CSU/ Carton
30010015	AA	2500 mAh	BK-3HCDE/2CP	5410853064145	2	20
30010009	AA	2500 mAh	BK-3HCDE/4CP	5410853064152	4	20
30010021	AA	2500 mAh	BK-3HCDE/4CP+case	5410853065036	4 + case	20
30010019	AAA	930 mAh	BK-4HCDE/2CP	5410853064237	2	20
30010013	AAA	930 mAh	BK-4HCDE/4CP	5410853064244	4	20
30010023	AAA	930 mAh	BK-4HCDE/4CP+case	5410853065050	4 + case	20

(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)

eneloop Ready to use Rechargeable Battery TM

eneloop™

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 up to 2100 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.

PRE-CHARGED with SOLAR ENERGY

After 10 years of storage

Capacity remains 70%(3)

USABLE IN LOW TEMPERATURES

-20°

IMPROVED CAPACITY

AA

+5%

CAPACITY 1900 mAh*1

CAPACITY 2000 mAh*1

+ 600 - 1000 hours of gaming

AAA

+7%

CAPACITY 750 mAh*1

CAPACITY 800 mAh*1

+ 600 - 1000 hours of radio

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eneloop™

AA ▸ 2000 mAh(1) Minimum capacity

AAA ▸ 800 mAh(1) Minimum capacity

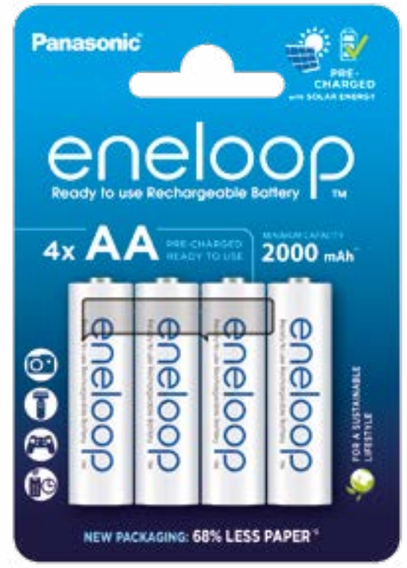
After 10 years capacity remains 70%(1)

Our packagings are FSC® certified

FSC www.fsc.org FSC® N003949

The mark of responsible forestry

2100x(2) Charge cycles



Item code	Size	Min. Capacity	Global Code	CSU EAN	Batteries/ CSU	CSU/ Carton
30010014	AA	2000 mAh	BK-3MCDE/2CP	5410853064176	2	20
30010008	AA	2000 mAh	BK-3MCDE/4CP	5410853064190	4	20
30010020	AA	2000 mAh	BK-3MCDE/4CP+case	5410853065043	4 + case	20
30010007	AA	2000 mAh	BK-3MCDE/8HH	5410853064213	8	20
30010018	AAA	800 mAh	BK-4MCDE/2CP	5410853064268	2	20
30010012	AAA	800 mAh	BK-4MCDE/4CP	5410853064305	4	20
30010022	AAA	800 mAh	BK-4MCDE/4CP+case	5410853065067	4 + case	20
30010011	AAA	800 mAh	BK-4MCDE/8HH	5410853064329	8	20
30010141	AA+AAA	2000/800 mAh	BK-3MCDE+BK-4MCDE/8CP	5410853064879	4 + 4	20

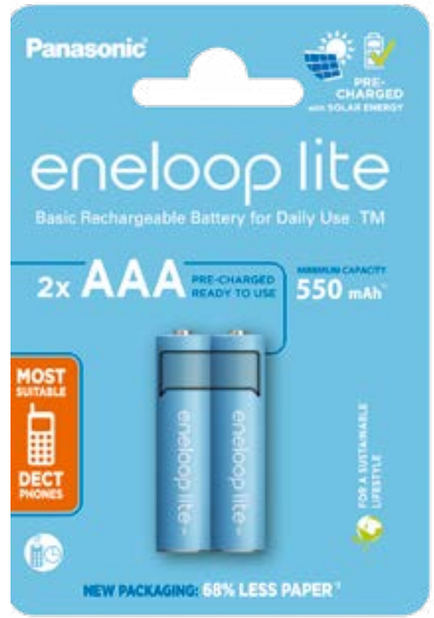
(1) Panasonic internal IEC 61951-2(7.3.2) testing – varies according to conditions of use.
(2) Panasonic internal IEC 61951-2 2011(7.5.1.3) testing; 600 times according to Panasonic internal IEC 61951-2 2017(7.5.1.4) testing.
(3) Battery tested at 20°C ambient temperature self-discharge condition 0.2It (E.V.=1.0V)

eneloop Ready to use Rechargeable Battery™

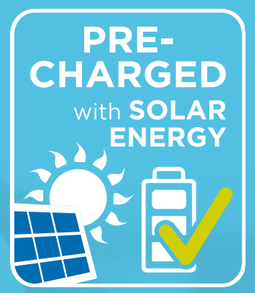
eneloop lite™

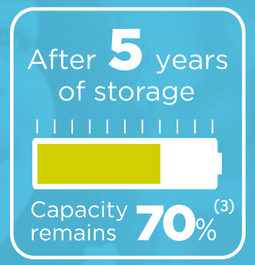
Ideal for devices requiring low-to-medium power

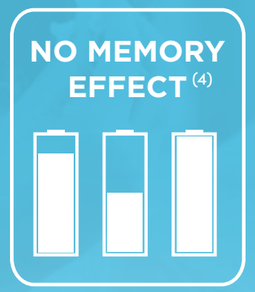
eneloop lite batteries are ideal for devices requiring low-to-medium power, such as DECT phones and remote controls. They can be recharged up to 3000 times[1] which makes it even more economically and environment-friendly.



[1] Panasonic internal IEC 61951-2 2011(7.5.1.3) testing; 1000 times according to Panasonic internal IEC 61951-2 2017(7.5.1.4) testing.







AAA ▸ **550 mAh**(1)
Minimum capacity

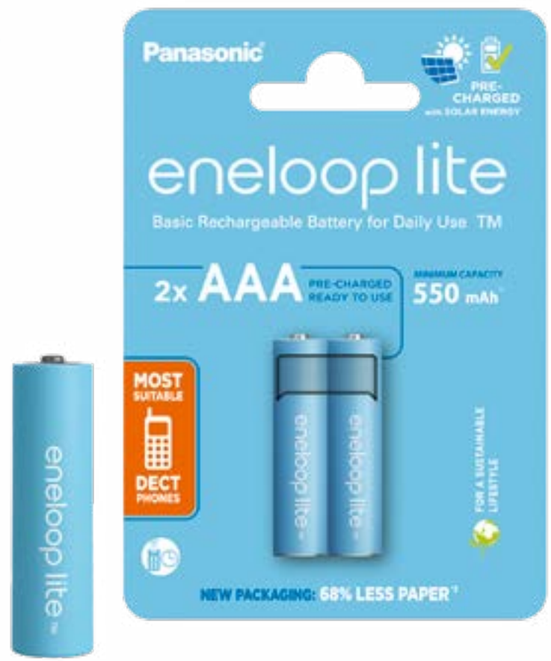
After 5 years
capacity
remains
70%(1)

Our packagings
are FSC® certified

FSC
www.fsc.org
FSC® N003949

The mark of
responsible forestry

3000x(2)
Charge cycles



Item code	Size	Min. Capacity	Global Code	CSU EAN	Batteries/ CSU	CSU/ Carton
30010016	AAA	550 mAh	BK-4LCCE/2CP	5410853064336	2	20
30010017	AAA	550 mAh	BK-4LCCE/2CP DECT	5410853065005	2	20
30010010	AAA	550 mAh	BK-4LCCE/4CP	5410853064350	4	20

(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; 1000 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

eneloop
Ready to use Rechargeable Battery ™

Comparison chart

	 **eneloop pro** **BK-3HCDE** **BK-4HCDE**	 **eneloop** **BK-3MCDE** **BK-4MCDE**	 **eneloop lite** **BK-4LCCE**
Capacity (AA)[1]	min. 2500 mAh up to 2550 mAh	min. 2000 mAh up to 2100 mAh	
Capacity (AAA)[1]	min. 930 mAh up to 950 mAh	min. 800 mAh up to 850 mAh	min. 550 mAh up to 600 mAh
Charging cycles[2]	up to 500 times	up to 2100 times	up to 3000 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: 1000 times according to Panasonic internal IEC 61951-2 2017(7.5.1.4) testing.

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Performance chart

	eneloop pro	eneloop	eneloop lite	Alkaline
	eneloop pro	**eneloop**	**eneloop lite**	**alkaline battery**
DSLR flash	± 800 shots	± 600 shots	± 300 shots	± 100 shots
Radio Control Car	± 3 hours	± 2 hours	± 1 hour	± 1 hours
Wireless Devices	± 100 days	± 80 days	± 40 days	± 110 days
Toys	± 8 hours	± 6 hours	± 3 hours	± 7 hours
Digital Cameras	± 1200 shots	± 1000 shots	± 500 shots	± 250 shots
Beauty & Health	± 4 hours	± 3 hours	± 1.5 hours	± 2 hours
LED Torch lights	± 7 hours	± 5 hours	± 2.5 hours	± 5 hours
Games & Toys	± 30 hours	± 20 hours	± 10 hours	± 30 hours
Daily Use	± 2 years	± 2 years	± 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]	–

Note: The above specifications are based on the theoretical capacity of the battery and the consumption power rate of the equipment. Results may vary greatly depending on the conditions of use, models used, ambient temperature, and equipment condition. Runtime of eneloop duct is measured with battery fully charged. Performance time may be shorter if the battery has been left unused for a period of time after being fully charged. All data is apximate. Runtime specifications may be different when eneloop is used with appliances not included in the table.
[3] Expected power consumption: 12.5mA

eneloop
Ready to use Rechargeable Battery ™

The ideal charger for your eneloop Ready to Use rechargeable batteries

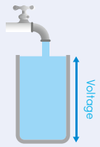
eneloop offers an extensive range of chargers to partner your eneloop batteries. From entry level chargers to chargers developed for professional users, we offer chargers for everyone's needs.

PLASTIC FREE PACKAGING

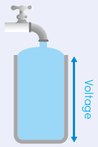
5 year[1] warranty

UP TO 10 SAFETY FEATURES

Charging techniques explained



Smart Charge
detects voltage and stops charging just before overflow, to extend the battery life.



Delta V (-ΔV)
detects the voltage and stops charging just after overflow.

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

PROFESSIONAL CHARGER

READY IN **2 h** *1 AA 2 CELLS

PRO CHARGER - BQ-CC65

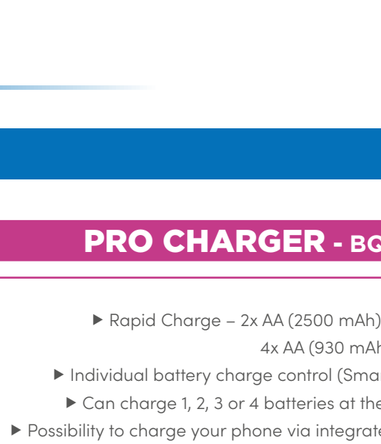
- Rapid Charge – 2x AA (2500 mAh): ± 2 hours / 4x AA (930 mAh): ± 4 hours
- Individual battery charge control (Smart Charge(2))
- Can charge 1, 2, 3 or 4 batteries at the same time
- Possibility to charge your phone via integrated USB port
- Large LCD showing battery status: Battery Capacity / Life Check / Discharge Mode
- Can be used all over the world (100-240V / 50-60Hz)
- Connected via AC cable (included)

More information:

LCD Display

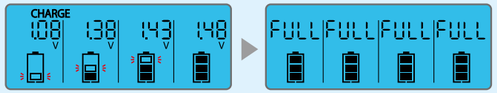
- LCD Status shows the remaining voltage/operation time
- Eco Counter (number of batteries charged / saved from entering landfill)
- End of Life advanced warnings
- Abnormality Detection for non rechargeable batteries
- Maintenance Mode information
- Discharge Function including battery condition

Charge mobiles and tablets via the USB output

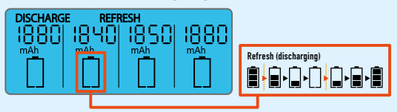


*Note: USB cable not included

Charging

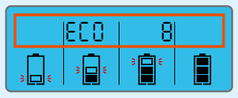


Refresh (Discharging)

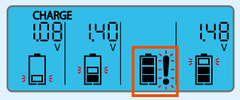


Abnormal

Eco Counter



End of Cycle Life is near



Maintenance Charging

(1) Based on internal testing.
(2) 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.

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Chargers

STANDARD 4-SLOT CHARGERS

SMARTPLUS CHARGER - BQ-CC55

READY IN **1 1/2 h** *1 AA 2 CELLS

- Rapid Charge – 2x AA (2000 mAh): ± 1.5 hours / 4x AA (800 mAh): ± 3 hours
- Can charge 1, 2, 3 or 4 batteries at the same time
- Individual battery charge control (Smart Charge(2))
- 4 LED's indicate charging status (see picture below)
- Can be used all over the world (100-240V / 50-60Hz)
- Fixed plug
- Available in black or white

READY IN **7 h** *1 AA 4 CELLS

SMART CHARGER - BQ-CC17

- Charging time – AA (2000 mAh): ± 7 hours / AAA (800 mAh): ± 6 hours
- Can charge 1, 2, 3 or 4 batteries at the same time
- Individual battery charge control (Delta V (3))
- 4 LED's indicate charging status (ON = charging; OFF = fully charged)
- Can be used all over the world (100-240V / 50-60Hz)
- Fixed plug

(3) "– Delta V": detects voltage drop just after full-charge and stops charging.

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FREQUENT CHARGING / OFFICE CHARGER

READY IN **5h** *1
AA 2 CELLS

SMART 8 CHARGER - BQ-CC63

- Charging time – AA (2000 mAh): ± 5 hours / AAA (800 mAh): ± 3 hours
- Can charge 1, 2, 3, 4, 5, 6, 7 or 8 batteries at the same time
- Individual battery charge control (Delta V [3])
- 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

Non rechargeable Battery Detection

ENTRY CHARGERS

READY IN **10h** *1
AA 2 CELLS

COMPACT CHARGER - BQ-CC50

- Charging time – AA (2000 mAh): ± 10 hours / AAA (800 mAh): ± 10 hours
- Can charge 1 or 2 batteries at the same time
- Charging control: individual Timer Cut [4] (13 hours)
- 2 LED's indicate charging status (ON = charging; OFF = fully charged - Timer Cut [4])
- Can be used all over the world (100-240V / 50-60Hz)
- Fixed plug

[1] Based on internal testing. Varies according to conditions of use.
[2] 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.

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BASIC CHARGER - BQ-CC51

READY IN **10h** *1
AA 4 CELLS

- Charging time – AA (2000 mAh): ± 10 hours / AAA (800 mAh): ± 10 hours
- Can charge 2 or 4 batteries at the same time
- Charging control: Timer Cut [4] (13 hours)
- 2 LED's indicate charging status per battery pair (ON = charging; OFF = fully charged - Timer Cut [4])
- Can be used all over the world (100-240V / 50-60Hz)
- Fixed plug

USB-IN CHARGERS

SMARTPLUS USB TRAVEL CHARGER - BQ-CC87

READY IN **2 1/4h** *1
AA 2 CELLS

- Charging time – AA (2000 mAh): ± 2.25 hours / AAA (800 mAh): ± 2 hours
- Can charge 1, 2, 3 or 4 batteries at the same time
- Individual battery charge control (Smart Charge [2])
- 4 LED's indicate charging status per battery
- USB cable included

BASIC USB CHARGER - BQ-CC61

READY IN **10h** *1
AA 4 CELLS

- Charging time – AA (2000 mAh): ± 10 hours / AAA (800 mAh): ± 10 hours
- Can charge 2 or 4 batteries at the same time
- Charging control: Timer Cut [4] (10 hours)
- 2 LED's indicate charging status per battery pair (ON = charging; OFF = fully charged - Timer Cut [4])
- USB cable included

[3] "– Delta V": detects voltage drop just after full-charge and stops charging.
[4] "Timer Cut": charging stops after a preset time.

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CSU EAN	Global Code	Batteries included	Battery Size	Plug	Charger dimensions	Charger net weight	Chargers/ Carton
5410853063957	BQ-CC65E	–	–	EU	147 x 88 x 40 mm	209 g[1]	4
5410853063926	BQ-CC55E	–	–	EU	120 x 68 x 65.5 mm	124 g	8
5410853063919	K-KJ55HCD40E	4x eneloop pro	AA	EU	120 x 68 x 65.5 mm	124 g	8
5410853063964	K-KJ55HCD40U	4x eneloop pro	AA	UK	120 x 68 x 62 mm	132 g	8
5410853063933	K-KJ55MCD40E	4x eneloop	AA	EU	120 x 68 x 65.5 mm	124 g	8
5410853065173	K-KJ55MCD40U	4x eneloop	AA	UK	120 x 68 x 62 mm	132 g	8
5410853063865	K-KJ17MCD40E	4x eneloop	AA	EU	105 x 65 x 65mm	107 g	8
5410853063940	BQ-CC63E	–	–	EU	119 x 147 x 29 mm	240 g [1]	4
5410853060000	BQ-CC63U	–	–	UK	119 x 147 x 29 mm	240 g [1]	4
5410853063889	BQ-CC51E	–	–	EU	108 x 66 x 65.1 mm	100 g	8
5410853063896	K-KJ51MCD40E	4x eneloop	AA	EU	108 x 66 x 65.1 mm	100 g	8
5410853063902	K-KJ51MCD04E	4x eneloop	AAA	EU	108 x 66 x 65.1 mm	100 g	8
5410853063872	K-KJ50MCD20E	2x eneloop	AA	EU	121 x 50 x 64.7 mm	85 g	8
5410853063971	BQ-CC61USB	–	–	USB	85 x 65 x 27.5 mm	65 g [1]	8
5410853063988	K-KJ61MCD40USB	4x eneloop	AA	USB	85 x 65 x 27.5 mm	65 g [1]	8
5410853063995	BQ-CC87USB	–	–	USB	85 x 66 x 29 mm	85 g [1]	8
5410853065159	K-KJ87MCD40USB	4x eneloop	AA	USB	85 x 66 x 29 mm	85 g [1]	8

[1] Excluding AC cord or USB cable.

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Chargers

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Ready to use Rechargeable Battery

Charger overview

	PROFESSIONAL	STANDARD CHARGERS		OFFICE CHARGER
				
	BQ-CC65	BQ-CC55 K-KJ55MCD	BQ-CC17 K-KJ17MCD	BQ-CC63
	PRO CHARGER	**SMART**PLUS **CHARGER**	**SMART CHARGER**	**SMART 8 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
eneloop pro 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
eneloop 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
eneloop lite 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 750mA 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: 147 x 88 x 40 mm	L x W x D: 121 x 68 x 76 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. 35

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	ENTRY CHARGERS		USB-IN CHARGERS	
				
	BQ-CC51	BQ-CC50 K-KJ50MCD	BQ-CC87 K-KJ87MCD	BQ-CC61 K-KJ61MCD
	BASIC CHARGER	**COMPACT CHARGER**	**SMART**PLUS USB TRAVEL **CHARGER**	**BASIC USB CHARGER**
	Ni-MH	Ni-MH	Ni-MH	Ni-MH	**Battery Type**
	2 / 4 pcs	1 - 2 pcs	1 / 2 pcs	3 / 4 pcs	2 / 4 pcs	**Charging Time**
AA eneloop pro	12 hrs	12 hrs	2 hrs	4 hrs	not fully charged	AA eneloop pro
AAA eneloop pro	12 hrs	12 hrs	2 hrs	4 hrs	not fully charged	AAA eneloop pro
AA eneloop	10 hrs	10 hrs	1.5 hrs	3 hrs	10 hrs	AA eneloop
AAA eneloop	10 hrs	10 hrs	1.5 hrs	3 hrs	10 hrs	AAA eneloop
AA eneloop lite	5 hrs	5 hrs	0.75 hrs	1.5 hrs	5 hrs	AA eneloop lite
AAA eneloop lite	8 hrs	8 hrs	1.25 hrs	2.5 hrs	8 hrs	AAA eneloop lite
Specifications					
AC100-240V 50-60Hz	AC100-240V 50-60Hz	DC 5V	DC 5V	**Input**
DC 3V AA 200mA x 2 AAA 80mA x 2	DC 1.5V AA 200mA x 2 AAA 80mA x 2	DC 1.5V / DC 5V USB-A 1-slot AA 750mA x 4 AAA 275mA x 4	DC 3V AA 200mA x 2 AAA 80mA x 2	**Charging output**
Timer cut [1] (13 hours)	Timer cut [1] (13 hours) individual	Smart charge [1]	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 4 Charging: ON, Fully charged: OFF	LED x 2 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 1 - 4 cells AAA x 1 - 4 cells	AA x 2 or 4 cells AAA x 2 or 4 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 29 mm	L x W x D: 85 x 66 x 27 mm	**Dimensions (approx.)**
EU: 100g / UK: 110g	86g	89g (without USB cord)	78g (without USB cord)	**Weight (approx.)**

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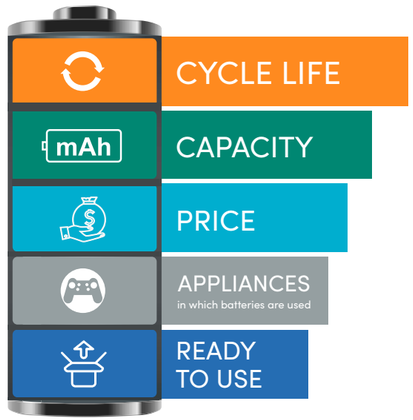
Shopper insights



Main reasons to buy rechargeable batteries

Cycle life is one of the most important motivating factors for buying rechargeable batteries.

In which channels do people buy rechargeable batteries?

38% buy in **RETAIL FOOD**

12% buy in **RETAIL NON FOOD**

10% buy in **E-COMMERCE**

8% buy in **DISCOUNT**

32% buy in **OTHER CHANNELS**

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.

New eneloop POS materials

BOOST YOUR SALES WITH ATTRACTIVE POS MATERIALS!

online banners

posters

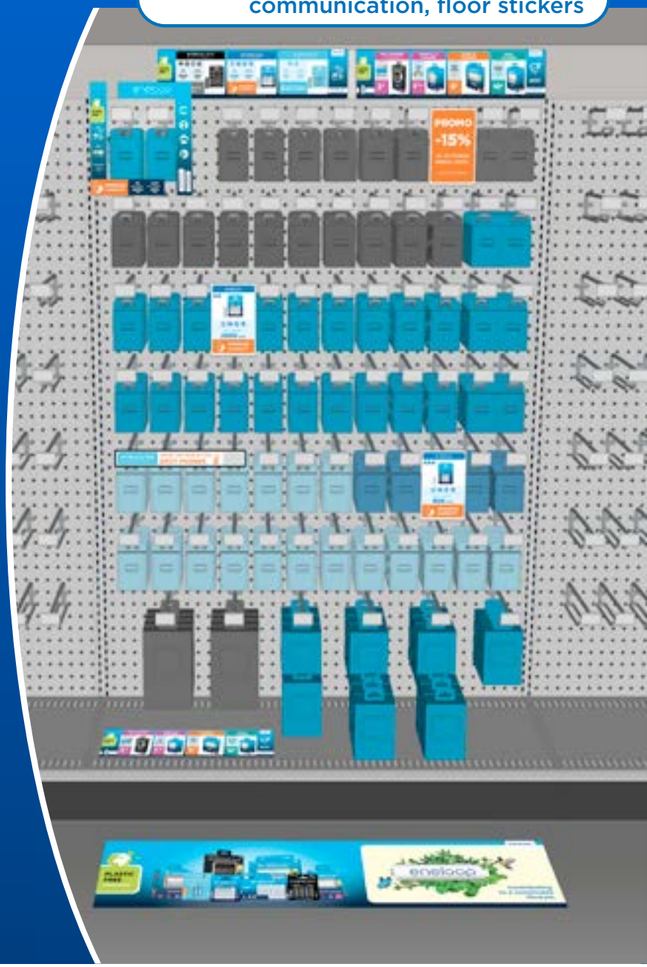
blister-sized leaflet

magnetic topcards

totem

roll up

L-shaped communication panel, hook communication, floor stickers



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Display overview

2H / 3H magnetic hang display

2H METAL HANG DISPLAY

- Compact hang display
- Ideal for 2x single blisters
- Includes price tags
- Height: 360 mm / Width: 105 mm
- Net weight: 0.708 kg
- N° of hooks: 2 (flexi)

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)

Panasonic

Online communication

www.ap.solutions/en/our-brands/eneloop

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
- Logos
- ...

https://dealer.ap.solutions

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Cross reference

	AA	
	High	**Middle**
Blister		
Subbrand	eneloop pro	eneloop
Min. capacity [1]	2500 mAh	2000 mAh
Cycle life [2]	500 times	2000 times
Low self discharge [1]	up to 85% after 1 year	up to 70% after 10 years
Charge	0 ~40°C	0 ~40°C
Discharge	-20 — 50°C	-20 — 50°C

	AAA		
	High	**Middle**	**Low**
Blister			
Subbrand	eneloop pro	eneloop	eneloop lite
Min. capacity [1]	930 mAh	800 mAh	550 mAh
Cycle life [2]	500 times	2000 times	3000 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	0 ~40°C	0 ~40°C
Discharge	-20 — 50°C	-20 — 50°C	-20 — 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 1000 cycles (eneloop lite) according to IEC61951-2 2017(7.5.1.4).

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Technical specifications

eneloop pro

Model N°	Size	Technology	Voltage	Capacity	Height	Diameter	Weight
BK-3HCDE	AA	Rechargeable Ni-MH	1.2 V	min. 2500 mAh	50.4 mm	14.5 mm	30 g
BK-4HCDE	AAA	Rechargeable Ni-MH	1.2 V	min. 930 mAh	44.5 mm	10.5 mm	13 g

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Model N°	Size	Technology	Voltage	Capacity	Height	Diameter	Weight
BK-3MCDE	AA	Rechargeable Ni-MH	1.2 V	min. 2000 mAh	50.4 mm	14.35 mm	28 g
BK-4MCDE	AAA	Rechargeable Ni-MH	1.2 V	min. 800 mAh	44.5 mm	10.5 mm	13 g

eneloop lite

Model N°	Size	Technology	Voltage	Capacity	Height	Diameter	Weight
BK-4LCCE	AAA	Rechargeable Ni-MH	1.2 V	min. 550 mAh	44.5 mm	10.5 mm	11 g

eneloop for DECT

Model N°	Size	Technology	Voltage	Capacity	Height	Diameter	Weight
BK-4LCCE	AAA	Rechargeable Ni-MH	1.2 V	min. 550 mAh	44.5 mm	10.5 mm	11 g

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www.ap.solutions/en/our-brands/eneloop

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Promoter: Advanced Power Solutions NV, Nieuwe Gentsesteenweg 21, 1702 Groot Bijgaarden — Belgium

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