

eneloop
Ready to use Rechargeable Battery™

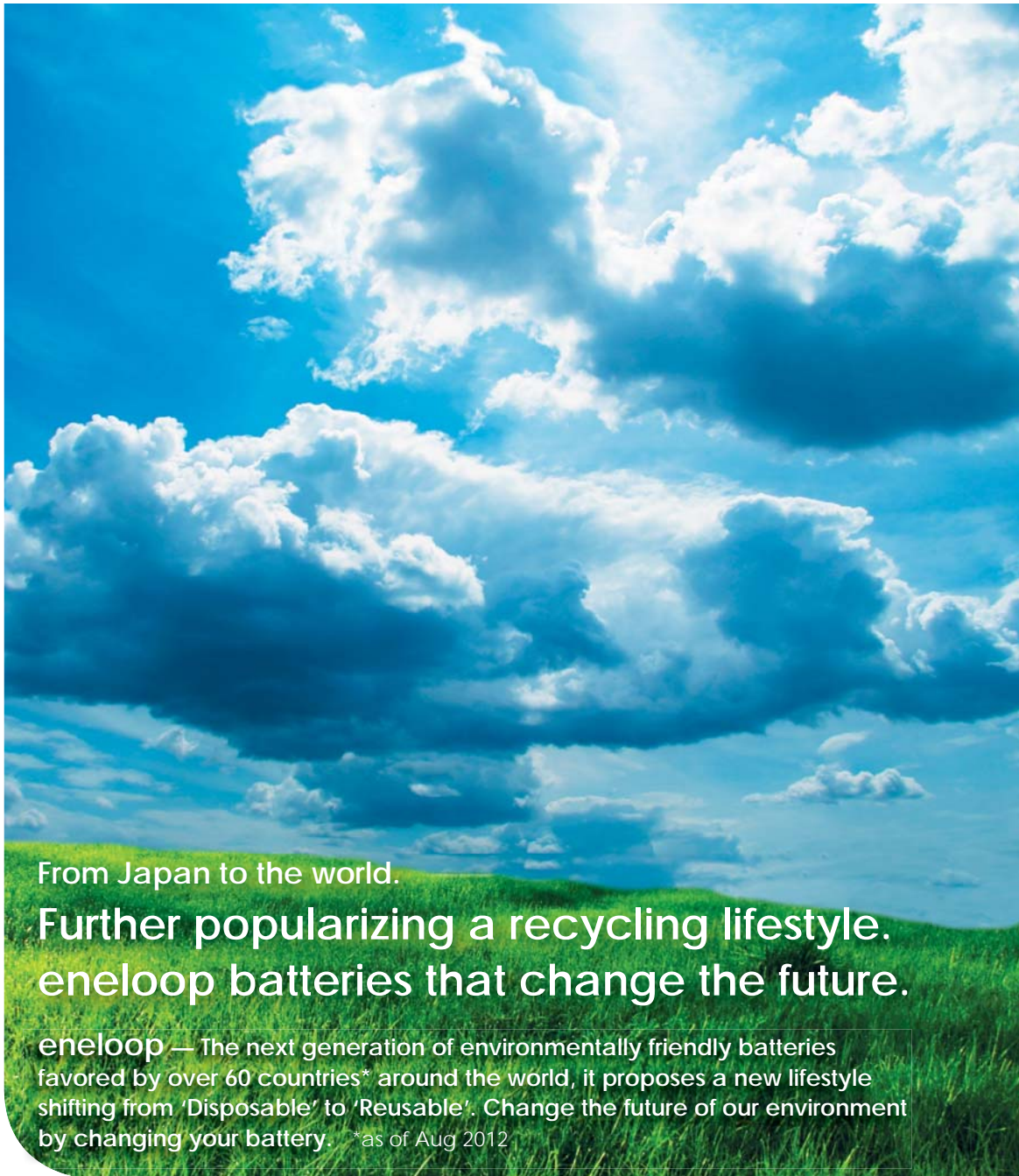


RECHARGEABLE BATTERIES
CATALOGUE 2012

SANYO
by **Panasonic**



 Join us on facebook
www.facebook.com/eneloopAsia



From Japan to the world.
 Further popularizing a recycling lifestyle.
 eneloop batteries that change the future.

eneloop — The next generation of environmentally friendly batteries favored by over 60 countries* around the world, it proposes a new lifestyle shifting from 'Disposable' to 'Reusable'. Change the future of our environment by changing your battery. *as of Aug 2012

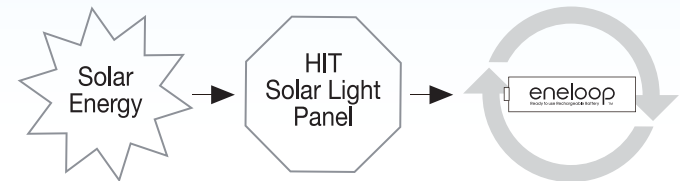
Recyclable and Environmentally Friendly

It is estimated that over 40 billion dry-cells were disposed worldwide last year. eneloop rechargeable batteries represent renewable energy and can be charged up to 1,800*1 times! Using eneloop rechargeable batteries will help in the reduction of disposable waste and thus benefit the environment. Let's keep batteries out of our landfill.

* 1: A guideline for battery life based on IEC61951-2 : 2003(7.4.1.1)

* 1800 cycle times is available for eneloop AA & AAA batteries

Clean Energy Loop



Through the Green Power Certification System, eneloop is pre-charged by "green power" from photovoltaic generation

Low Self-Discharge

While normal rechargeable batteries lose their charge over time, SANYO's eneloop technology enables these batteries to keep 70% of their charge up to 5 years.



Rechargeable Battery VS Dry-cell Battery

Advantages of Rechargeable Batteries

Reusable, recyclable and durable.



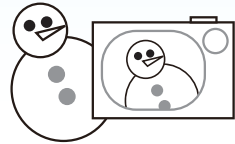
Advantages of Dry-cell Batteries

Can be used straight from the pack and can be stored for a long period of time.

Ready to use battery with all the advantages of rechargeable and dry-cell batteries.

Low Temperature Operation

eneloop is able to maintain a low self-discharge rate even in temperatures as low as -20°C . Operation time will be shorter than that of room temperature. This condition is not subjected to the gadget.



Take 4x More Pictures!

Results from our tests have shown that a typical digital camera can take 4x more pictures when using eneloop than regular dry-cell batteries. eneloop can also be used optimally in a variety of devices including toys, MP3 players, electric shavers, portable video game players, etc.



Comparison of Digital Camera shots using eneloop battery & dry-cell battery.

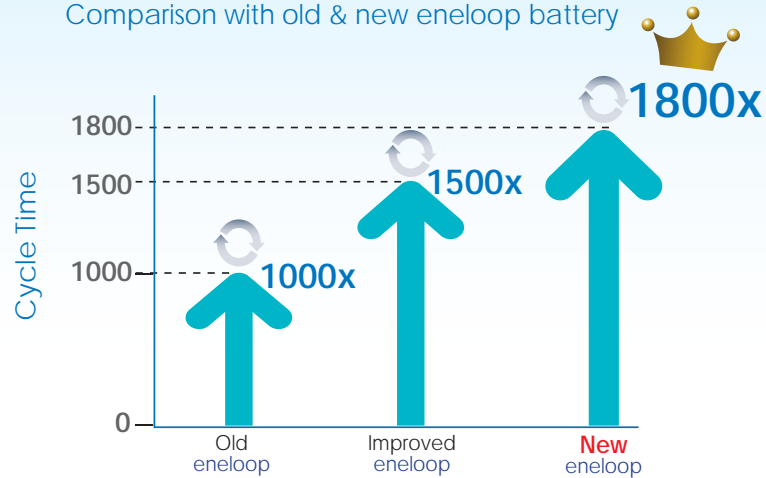
* Camera: SANYO DSC-S4, Temperature: 77°F , Flash=once every 3 shots
Shots=every 20 seconds, LCD: On all the time

* Above comparison results is based on eneloop AA batteries.

Cost Savings

While the initial cost of rechargeable batteries is high, your investment in eneloop will be recovered after only a few recharging cycles and the long term savings are substantial.

Comparison with old & new eneloop battery

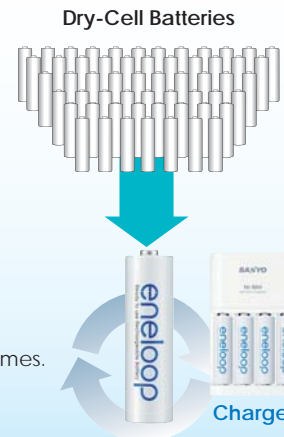


Ready To Use Rechargeable

eneloop batteries are delivered pre-charged and are ready for immediate use upon purchase. There is no need to charge before use.

eneloop batteries can be recharged at any stage of usage, eneloop batteries can be recharged up to 1800 times.

eneloop:
Rechargeable up to 1,800 times.



A guide-line for battery life based on IEC61951-2:2003(7.4.1.1)

eneloop Recommended Usage



eneloop universe

'eneloop' is a product that proposes a new lifestyle - one without disposing of batteries. Once charged, it can be used repeatedly and once used completely, it can be recycled.

To promote this kind of new battery lifestyle, SANYO developed a world first rechargeable battery that can be used like a dry-cell battery - 'immediately after purchase'.

SANYO is simultaneously pursuing solutions for a comfortable living and consideration for the environment and would continue providing 'Global Energy Solutions' and 'LOHAS (Lifestyles of Health and Sustainability) Solutions'.



eneloop



eneloop
mobile booster



eneloop
kairo



eneloop
anka



eneloop
solar charger



eneloop
kairo

2006



GOOD DESIGN AWARD 2006

GOLD PRIZE

Organized by:

Japan Industrial Design
Promotion Organization (JIDPO)

Winning product: eneloop battery

<http://www.g-mark.org/library/2006/>

THE 16 NIKKEI GLOBAL ENVIRONMENTAL TECHNOLOGY AWARD 2006

This award was commended to
the excellent result of Research,
Technology Development for
Global Environmental Protection.

Organized by:

Nikkei Inc.

Winning product:

eneloop battery



THE 3RD ECO PRODUCTS AWARD 2006

Organized by:

Eco products award steering
committee in Japan

Winning product:

eneloop battery

<http://www.gef.or.jp/ecoproducts/>

2007



THE 2ND LOHAS DESIGN AWARD 2007

GRAND PRIZE of Products Section

Organized by:

Lohas Club

Winning product:

eneloop battery

<http://www.lohasclub.jp/lda2007/>



GOOD DESIGN AWARD 2007

GOLD PRIZE

Organized by:

Japan Industrial Design
Promotion Organization (JIDPO)

Winning product:

eneloop battery,
Universe products

[http://www.g-mark.org/library/2007/](http://www.g-mark.org/library/2007/best15/07A02003-6.html)

[best15/07A02003-6.html](http://www.g-mark.org/library/2007/best15/07A02003-6.html)

2008



IF DESIGN AWARD 2008

Organized by:

IF (International Forum Design Hannover GmbH)

Winning products:

eneloop battery,
eneloop Solar Charger
http://www.ifdesign.de/awards_product_index_e/



THE 3RD LOHAS DESIGN AWARD 2008

GRAND PRIZE of Products Section

Organized by:

Lohas Club

Winning product:

eneloop battery,
Universe products
<http://www.lohasclub.jp/lda2008/>



GOOD DESIGN AWARD 2008

Organized by:

Japan Industrial Design Promotion Organization (JIDPO)

Winning products :

eneloop Battery C & D Size,
eneloop Universal Charger,
Solar Light, eneloop Soft Warmer, eneloop Kiro (KIR-SL1S),
eneloop Air Freshener & Portable Power
<http://www.g-mark.org/library/2008/index.html>

THE 15TH TASUKARIMASHITA AWARD

Organized by:

Living Newspaper chosen from Contest of Lifestyle Magazine published 8.5 million copies, 57 areas in Japan

Winning product:

eneloop universal charger
http://www.lcomi.ne.jp/pickup/15th_tasukari/01.html

2009



IF DESIGN AWARD 2009

Organized by:

IF (International Forum Design Hannover GmbH)

Winning products: eneloop Solar Light (Gold prize), eneloop Kiro, eneloop Universal Charger
http://www.ifdesign.de/awards_product_index_e/



GOOD DESIGN AWARD 2009

Organized by:

Japan Industrial Design Promotion Organization (JIDPO)

Winning products: eneloop Soft Warmer (ENW0SW3S), eneloop Lantern (ENL-L1EX)
<http://www.g-mark.org/library/2009/index.html>



THE 6TH ECO PRODUCTS AWARD 2009

Organized by:

Eco Products Award Steering Committee in Japan

Winning products: eneloop Bike
<http://panasonic.co.jp/sanyo/news/2009/11/24-1.html>

AUSTRALIA INTERNATIONAL DESIGN AWARD

Organized by:

Standard Australia

Winning products: eneloop battery (HR-3UTG/HR-4UTG)
<http://panasonic.co.jp/sanyo/news/2009/06/01-1.html>

2010



IF DESIGN AWARD 2010

Organized by:

IF (International Forum Design Hannover GmbH)

Winning products:

eneloop Portable Solar (Gold prize),
eneloop Lamp (IF products prize)
http://www.ifdesign.de/awards_product_index_e/



ASIA DESIGN AWARD 2010

Organized by:

Hong Kong Design Center

Winning products:

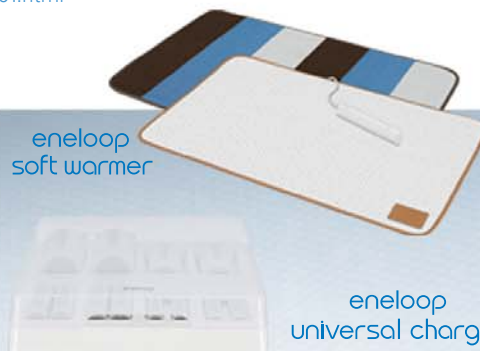
eneloop Universe products
<http://dfaaward.com/2011/pages/index/>



eneloop solar light



eneloop air fresher



eneloop soft warmer

eneloop universal charger



eneloop portable solar



eneloop lamp



eneloop lantern

SANYO continues to educate the youths in Singapore through its successful school programme – Eco Education Programme (EEP)



The Eco Education Programme (EEP), organised by SANYO Energy (Singapore) Corp., Pte. Ltd, is a fully-funded 60-minute programme targeted at educating students at the Primary 5 Level on the importance of environmental protection through hands-on participation in interesting experiments.

This year will be the sixth year the EEP is conducted since it started in Singapore in 2007. To date, SANYO has reached out to more than 30 primary schools and thousands of students to spread the message on the importance of a sustainable eco-system.

The programme was first introduced in 2005 in Japan and has since been extended to 56,000 students in more than 300 elementary schools in Singapore, China, Germany, France and Thailand. It is part of SANYO's initiative to spread its vision on environmental conservation to tomorrow's generation.

The EEP is endorsed by the Japanese Embassy and the Singapore Environment Council.



eneloop glitter

Sparkle Up Your Life

This limited edition pack includes 8 different glitter colours.
Different colour for each day, to suit your taste and liking.

Add sparkle to your life with eneloop glitter now!

> INDENT



8HR-3UTGA-SECP-GL

Capacity:

TYP.2000 mAh Min.1900mAh

Quantity : Inner carton - 10 pks

Outer carton - 40 pks

Net Weight : 10.0 kg Gross Weight : 11.0 kg

Measurement (mm) : L385 x W275 x H320

Barcode no. : 4 994334 28618 5

Origin: Japan



eneloop mobile booster

There is no better way to power-up while you are constantly

**On the Go,
Anytime, Anywhere.**



5000mAh

An internal lithium-ion battery



CHARGING.....

eneloop mobile booster

Powerful Green Energy

Built-in High Capacity
5000mAh
Lithium-ion Battery



Lightweight & Compact

135g / W62XH70XD22mm

LED Light Indication

Bright Light	Fully charged
Weak Light	80% - 50% Charged
3 interval blinks	less than 50% charged

2 Ways of Recharging

Able to charge from AC Adapter & USB terminal

Input Charging:

- DC 5V round pin input jack
- USB-mini 500mA PC input

Charging Time

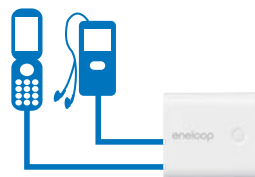
	USB	AC
KBC-L2BSP-S	14 hrs	7 hrs

Output Charging:

- 2 slots USB (max. 500mA/slot)

Charging Time:

- 4hrs/port
- 2hrs on 1 port charging only@max. 1A



KBC-L2BSP-S

Booster with two USB power ports powered by a special high capacity Li-ion battery.

Quantity :

Inner carton - N.A.
Outer carton - 20 pks
Net Weight : 5.25 kg
Gross Weight : 6.25 kg

Measurement (mm) :

L350 x W235 x H255

Barcode no. :

4 994334 28574 4

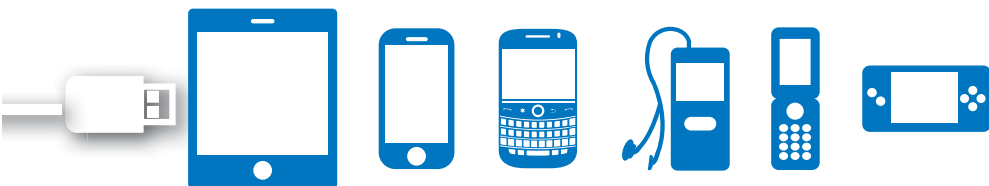
Origin: China



Portable Reserved Batteries!

For USB Compatible Mobile Phones & Electronic Devices

Please check before purchase as the cable used differs according to the mobile phone company or mobile phone model. Depending on the mobile phone terminal, the battery may not be able to be recharged.



Compatibility Information:

iphone/ipod
ipad
Blackberry Curve/Bold/Storm
HTC Desire/Hero
Sony Ericsson Arc/Xperia/PSP
Nokia N7
Motorola Backflip/Milestone
Samsung Galaxy S
LG GD580
Nintendo DS

No. of charges base on phone cell of about 1100-1400mAh capacity

2 charges
max 40%
1.5 charges
1.5 charges
1.5 charges
< 1 charge
< 1 charge
< 1 charge
< 1 charge
< 1 charge

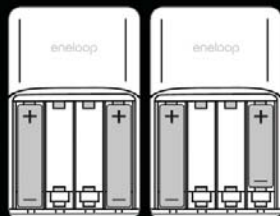
Above information based on internal testings. Results may vary.

eneloop xx INVINCIBLE DUO



FEATURES

- Individual Charging Slot with Blue LED Light
- Full Charge Detection (auto cut-off when fully charged)
- Temperature Control
- Timer Control
- Auto Voltage (100-240V)
- Speed Charging slot
- Able to charge AA/AAA together, different capacity batteries at the same time



Double Speed

When charging
2 (AA/AAA) batteries
on each end.



Triple Speed

When charging
1 (AA/AAA) battery
at either end.

FEATURES

Input: AC100V-240V 50-60Hz7W

Output: DC1.2V

560mA x 4/1120mA x2/1680mA x 1(AA)

280mA x 4/560mA x2/840mA x 1(AAA)



High capacity eneloop XX



Made In Japan



HR-3UWXA-4TM

4pcs AA Blister Pack

Quantity : Inner carton - 10 pks Outer carton - 40 pks
Net Weight : 4.97 kg Gross Weight : 5.52 kg
Measurement (mm) : L351 x W322 x H143
Barcode no. : 4 994334 28601 7
Origin: Japan (Battery)

Powerful High Capacity*¹

Capacity*¹
2500
mAh

Rechargeable*⁵
up to **500**
times

*¹ Capacity is based on IEC61951-2(7.2.1)

*⁵ Battery life is based on IEC61951-2(7.4.1.1)

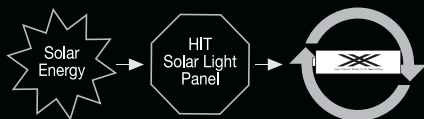
Low Self-Discharge Cell*²

75% capacity remains after 1 year

*² Storage at 20°C/68°F ambient conditions (Discharge: 740mA<E.V=1.0V) (varies according to conditions of use)



Clean Energy Loop*³



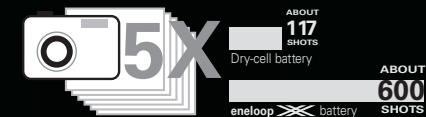
*³ Through the Green Power Certification System in Japan, eneloop is pre-charged by "green power" from photovoltaic generation

Suitable For Temperature As Low As -20°C*⁴



*⁴ Operation time will be shorter than that of room temperature, this condition is not subject to the gadget.

Take 5X More Digital Pictures*⁶



*⁶ Digital camera shots in comparison with Dry-cell battery : Temperature:25°C/77°F. Flash: Once every 3 shots Shots:every 20 sec LCD: On all time. However depending on the camera and the conditions the number of pictures will vary.

AA size Batteries

Capacity: TYP.2000mAh Min.1900mAh

RECHARGE
1800x

| Ready to Use Rechargeable Ni-MH Battery |

HR-3UTGB2TM



Size: AA

2pcs Clamshell Pack

Quantity :

Inner carton - 10 pks
Outer carton - 40 pks
Net Weight : 3.00 kg
Gross Weight : 3.50 kg
Measurement (mm) :
L381 x W365 x H123
Barcode no. :
4 994334 27903 3
Origin: Japan

HR-3UTGB4TM



Size: AA

4pcs Clamshell Pack

Quantity :

Inner carton - 10 pks
Outer carton - 40 pks
Net Weight : 5.00 kg
Gross Weight : 5.50 kg
Measurement (mm) :
L381 x W365 x H123
Barcode no. :
4 994334 27904 0
Origin: Japan

HR-3UTGB12TM



Size: AA

12pcs Clamshell Pack

Quantity :

Inner carton - 10 pks
Outer carton - 40 pks
Net Weight : 20.0 kg
Gross Weight : 21.0 kg
Measurement (mm) :
L465 x W355 x H285
Barcode no. :
4 994334 27907 1
Origin: Japan

HR-3UTGB2BTM



Size: AA

2pcs Blister Pack

Quantity :

Inner carton - 10 pks
Outer carton - 40 pks
Net Weight : 2.65 kg
Gross Weight : 3.60 kg
Measurement (mm) :
L350 x W310 x H120
Barcode no. :
4 994334 27899 9
Origin: Japan

HR-3UTGB4BTM



Size: AA

4pcs Blister Pack

Quantity :

Inner carton - 10 pks
Outer carton - 40 pks
Net Weight : 4.48 kg
Gross Weight : 5.74 kg
Measurement (mm) :
L350 x W310 x H120
Barcode no. :
4 994334 27900 2
Origin: Japan

C&D size Adapters



Capacity:
TYP.2000mAh
Min.1900mAh

BC-STG1B-2TM

2pcs Blister with Adapter D Size + 2pcs AA Size Battery Pack



Quantity :

Inner carton - 10 pks
Outer carton - 40 pks
Net Weight : 3.80 kg
Gross Weight : 4.40 kg
Measurement (mm) :
L375 x W329 x H154
Barcode no. :
4 994334 23565 7
Origin: China (Adapter)
Japan (Battery)

BC-STG2B-2TM

2pcs Blister with Adapter C Size + 2pcs AA Size Battery Pack



Quantity :

Inner carton - 10 pks
Outer carton - 40 pks
Net Weight : 3.20 kg
Gross Weight : 3.80 kg
Measurement (mm) :
L311 x W308 x H154
Barcode no. :
4 994334 23564 0
Origin: China (Adapter)
Japan (Battery)

AAA size Batteries

Capacity: TYP.800mAh Min.750mAh

HR-4UTGB2TM

2pcs Clamshell Pack



Size: AAA
Quantity :
Inner carton
- 10 pks
Outer carton
- 40 pks

Net Weight : 1.50 kg
Gross Weight : 2.00 kg
Measurement (mm) :
L381 x W327 x H123
Barcode no. :
4 994334 27905 7
Origin: Japan

HR-4UTGB4TM

4pcs Clamshell Pack



Size: AAA
Quantity :
Inner carton
- 10 pks
Outer carton
- 40 pks

Net Weight : 2.50 kg
Gross Weight : 3.00 kg
Measurement (mm) :
L381 x W327 x H123
Barcode no. :
4 994334 27906 4
Origin: Japan

HR-4UTGB2BTM

2pcs Blister Pack



Size: AAA
Quantity :
Inner carton
- 10 pks
Outer carton
- 40 pks

Net Weight : 1.24 kg
Gross Weight : 2.48 kg
Measurement (mm) :
L290 x W240 x H130
Barcode no. :
4 994334 27901 9
Origin: Japan

HR-4UTGB4BTM

4pcs Blister Pack



Size: AAA
Quantity :
Inner carton
- 10 pks
Outer carton
- 40 pks

Net Weight : 2.24 kg
Gross Weight : 3.54 kg
Measurement (mm) :
L290 x W240 x H130
Barcode no. :
4 994334 27902 6
Origin: Japan

eneloop lite

RECHARGE
2000x

Size: AA Capacity: TYP.1000mAh Min.950mAh

2HR-3UQ-SECP-C

2pcs AA Blister Pack



Quantity :
Inner carton
- 10 pks
Outer carton
- 80 pks

Net Weight : 2.70 kg
Gross Weight : 3.60 kg
Measurement (mm) :
L350 x W330x H150
Barcode no. : 4 994334 25993 6
Origin: Japan

4HR-3UQ-SECP-C

4pcs AA Blister Pack



Quantity :
Inner carton
- 10 pks
Outer carton
- 80 pks

Net Weight : 6.40 kg
Gross Weight : 7.00 kg
Measurement (mm) :
L350 x W330x H150
Barcode no. : 4 994334 25994 3
Origin: Japan

Suitable
for DECT
Phone

Size: AAA Capacity: TYP.600mAh Min.550mAh

2HR-4UQ-SECP-C

2pcs AAA Blister Pack



Quantity :
Inner carton
- 10 pks
Outer carton
- 80 pks

Net Weight : 2.80 kg
Gross Weight : 3.00 kg
Measurement (mm) :
L300 x W280x H150
Barcode no. : 4 994334 25995 0
Origin: Japan

4HR-4UQ-SECP-C

4pcs AAA Blister Pack



Quantity :
Inner carton
- 10 pks
Outer carton
- 80 pks

Net Weight : 4.80 kg
Gross Weight : 5.00 kg
Measurement (mm) :
L300 x W280 x H150
Barcode no. : 4 994334 25992 9
Origin: Japan

QUICK CHARGER

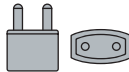
BC-KJR6B40TM

with 4pcs of eneloop AA Pack

100V-240V



**2hr
Quick
Charger**



Quick Charge Auto Voltage Ni-MH

Quantity : Inner carton - N.A Outer carton - 8 pks
Net Weight : 2.60 kg **Gross Weight :** 3.60 kg
Measurement (mm) : L474 x W294 x H141
Barcode no. : 4 994334 27357 4
Origin: China (Charger), Japan (Battery)

How Double/Triple Speed Quick Charging works when charging AA or AAA as follows:

**Double Speed
Quick Charging :**



Two batteries at each end per charge.

**Triple Speed
Quick Charging :**



One battery at either end per charge.

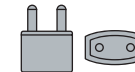
BC-KJR6W40TM

with 4pcs of eneloop XX batteries

100V-240V



**2hr
Quick
Charger**



Quick Charge Auto Voltage Ni-MH

Quantity :
 Inner carton - N.A
 Outer carton - 8 pks
Net Weight : 1.99 kg
Gross Weight : 2.70 kg
Measurement (mm) :
 L470 x W300 x H150
Barcode no. :
 4 994334 29001 4
Origin:
 China (Charger),
 Japan (Battery)

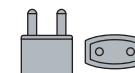
BC-KJR6W20TM

with 2pcs of eneloop XX batteries

100V-240V



**2hr
Quick
Charger**



Quick Charge Auto Voltage Ni-MH

Quantity :
 Inner carton - N.A
 Outer carton - 8 pks
Net Weight : 1.49 kg
Gross Weight : 2.20 kg
Measurement (mm) :
 L470 x W300 x H150
Barcode no. :
 4 994334 29003 8
Origin:
 China (Charger),
 Japan (Battery)

STANDARD CHARGER

BC-KJN4B40TM

with 4pcs of eneloop AA Pack

220V-240V



Standard
Charger



Quantity :

Inner carton - N.A Outer carton - 8 pks

Net Weight : 2.94 kg

Gross Weight : 3.94 kg

Measurement (mm) : L517 x W375 x H135

Barcode no. : 4 994334 28295 8

Origin: China (Charger), Japan (Battery)

BC-MQN04TM

Charger Set only

220V-240V



Standard
Charger



Quantity :

Inner carton - N.A Outer carton - 8 pks

Net Weight : 2.05 kg

Gross Weight : 3.05 kg

Measurement (mm) : L510 x W368 x H129

Barcode no. : 4 994334 28964 3

Origin: China (Charger)

BC-KJN4B20TM

with 2pcs of eneloop AA Pack

220V-240V



Standard
Charger



Quantity :

Inner carton - N.A Outer carton - 8 pks

Net Weight : 2.48 kg

Gross Weight : 3.60 kg

Measurement (mm) : L517 x W375 x H135

Barcode no. : 4 994334 26944 7

Origin: China (Charger), Japan (Battery)

NC-MQN04ENSSP10-2S

with 2pcs AA eneloop lite AA pack

220V-240V



eneloop
lite
Charger



Quantity :

Inner carton - N.A Outer carton - 8 pks

Net Weight : 2.30 kg

Gross Weight : 3.30 kg

Measurement (mm) : L517 x W375 x H135

Barcode no. : 4 994334 27267 6

Origin: China(Charger), Japan (Battery)

Charging Guide

CHARGER Quick-Reference Chart



Type Of Charger

2HR QUICK

STANDARD

Models

BC-KJR6B40TM
BC-KJR6W20TM
BC-KJR6W40TM

NC-MQN04ENSSP10-2S
eneloop lite

eneloop series

AA	2000mAh	1-2 pcs 3-4 pcs
AA	2500mAh	1-2 pcs 3-4 pcs
AAA	800mAh	1-2 pcs 3-4 pcs

eneloop XX:

1 pc 75 mins / 2pc 110 mins 1-4 pcs 220 mins
1 pc 90 mins / 2pc 135 mins 1-4 pcs 270 mins
1 pc 65 mins / 2pc 100 mins 1-4 pcs 200 mins
1 pc 100 mins / 2pc 150 mins 1-4 pcs 300 mins
1 pc 90 mins / 2pc 135 mins 1-4 pcs 270 mins

2 or 4 AA: 10 hrs

Not Recommended

2 or 4 AAA: 8 hrs

Ni-MH

AA	2700mAh	1-2 pcs 3-4 pcs
AA	2500mAh	1-2 pcs 3-4 pcs

2 or 4 AA eneloop lite: 5 hrs

2 or 4 AAA eneloop lite: 6 hrs

Special Features/ Safety Control

1. Individual charging control
2. Timer control
3. Peak voltage control
4. Minus delta voltage detection
5. Temperature control/protection
6. Alkaline battery detection
7. Short circuited cells detection

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Charging Type:

Ni-MH / Ni-Cd

Ni-MH

Ni-MH

Charging Indication

Charging process begins
Charging process ends

Blue light is on
Blue light is off

Green light is on
Green light is off

Charging Characteristics

Individual Charging
Charge in 2/4 pcs of batteries

○

-

-

○

Voltage

100V-240V

220V-240V

Charging Guide

CHARGER Quick-Reference Chart



Type Of Charger		STANDARD	Li-ion mobile booster
Models		BC-KJN4B20TM BC-KJN4B40TM BC-MQN04TM	KBC-L2BSP-S
eneloop series	AA 2000mAH 1-2 pcs 3-4 pcs	2 or 4 AA : 10hrs	7hrs (AC charging), 14hrs (USB charging)
	AA 2500mAH 1-2 pcs 3-4 pcs	Not Recommended	-
	AAA 800mAH 1-2 pcs 3-4 pcs	2 or 4 AAA : 8hrs	-
Ni-MH	AA 2700mAH 1-2 pcs 3-4 pcs	2 or 4 AA : 13hrs	-
	AA 2500mAH 1-2 pcs 3-4 pcs	2 or 4 AA : 12hrs	-
Special Features/ Safety Control	1. Individual charging control 2. Timer control 3. Peak voltage control 4. Minus delta voltage detection 5. Temperature control/protection 6. Alkaline battery detection 7. Short circuited cells detection	- ○ - - - - -	NA
Charging Type:	Ni-MH / Ni-Cd	Ni-MH	Li-ion
Charging Indication	Charging process begins	Green light is on	Set of 3 short flashes
	Charging process ends	Green light is off	Blue light remain lighted
Charging Characteristics	Individual Charging	-	NA
	Charge in 2/4 pcs of batteries	○	NA
Voltage		220V-240V	100V-240V

HIGH CAPACITY Ni-MH Batteries

| Rechargeable |

Ni-MH 2700

AA Size

HR-3U-2BP-2700



2pcs Blister Pack
Size: AA

Quantity :

Inner carton - 10 pks
Outer carton - 120 pks

Net Weight : 7.85 kg
Gross Weight : 8.35 kg

Measurement (mm) :
L266 x W261 x H208

Barcode no. :
4 994334 21740 0

Origin: Japan

HR-3U-4BP-2700



> INDENT

4pcs Blister Pack
Size: AA

Quantity :

Inner carton - 10 pks
Outer carton - 160 pks

Net Weight : 19.47 kg
Gross Weight : 21.50 kg

Measurement (mm) :
L358 x W290 x H200

Barcode no. :
4 994334 21741 7

Origin: Japan

Ni-MH 1000

AAA Size

HR-4U-2BP-1000



2pcs Blister Pack
Size: AAA

Quantity :

Inner carton - 10 pks
Outer carton - 120 pks

Net Weight : 3.90 kg
Gross Weight : 4.23 kg

Measurement (mm) :
L226 x W221 x H208

Barcode no. :
4 994334 21742 4

Origin: Japan

CHARGER

ECO

NC-MQN04ESSP27-2S



220V-240V



Ni-MH

Standard Charger +
2pcs of 2700 mAh batteries

Size: AA

Quantity :

Inner carton - N.A.
Outer carton - 8 pks

Net Weight : 2.66 kg
Gross Weight : 3.66 kg

Measurement (mm) : L517 x W375 x H135

Barcode no. : 4 994334 26945 4

Origin: China (Charger), Japan (Battery)

What is 'memory effect'?

When Ni-Cd or Ni-MH batteries are not fully discharged between charge cycles, 'memory effect' happens. This reduces the capacity of the battery thereby affect the length of usage per charge.

Maintain a full charged

Our chargers are equipped with a function to maintain batteries at a fully charged stage when left plugged in. This will ensure that the immediate usage of batteries at their optimal charge level.

Rechargeable Battery Handling Precautions (Nickel-Metal Hydride Batteries)

DANGER

To avoid heat generation, bursting, fire and leakage:

- Never dispose of the batteries in fire or heat them.
- Do not connect the (+) and (-) ends with metal objects. When carrying or storing batteries, avoid direct contact with metal objects such as necklaces or hairpins.
- Do not deform, solder, disassemble or modify batteries.
- Do not use batteries with their (+) (positive) and (-) (negative) terminals reversed.
- Do not connect batteries directly to a power source or a car cigarette lighter socket.

If leaked liquid should get into the eyes, immediately rinse them with clean water and consult a physician.

DANGER (For cordless communications equipment)
When connected to a telephone or facsimile, make sure that the plug is connected in the correct direction.

WARNING

- Do not remove the outer tube from the battery or damage it.
- If battery liquid leakage is noticed or a change in colour or shape occur, discontinue battery use.
- Store batteries out of reach of infants and small children.
- If leaked liquid gets on skin or clothing, wash off with clean water immediately.
- Do not connect 20 or more batteries in series.
- Do not charge batteries beyond the recommended time described in the instruction manual for the charger or other equipment.

CAUTION

- Do not strike or drop batteries.
- Be sure to refer to equipment instruction manual when using batteries.
- Do not use old and new batteries together or batteries with different charge levels.
- Do not use rechargeable batteries with dry cells or other batteries of different capacity, type or brand.
- When two or more batteries are to be used together, charge them simultaneously prior to use.
- When using a battery for the first time after purchase or after having not used it for a long time, be sure to charge it.

AMBIENT TEMPERATURE RANGE

- Discharging (when used in equipment): -20°C to 60°C
- Charging (when used in equipment): 0°C to 45°C
- Storage: -30°C to 35°C

Using or storing in a temperature range other than the above is not recommended, as it may shorten battery service life.

Charger Handling Precautions

WARNING

To avoid battery leakage, overheating or bursting:

- Do not attempt to charge anything other than SANYO rechargeable batteries.
- Do not use the charger with batteries that have been inserted with their (+) and (-) terminals reversed.

To avoid overheating, fire or electric shock:

- Never modify or disassemble the charger.
- Do not insert metal wires or similar objects
- Be sure to use the charger with the proper voltage.
- Be sure to disconnect the power plug before performing any maintenance or cleaning.
- Never plug in or disconnect the power plug with wet hands.
- Do not immerse the charger in water or use it in humid area such as in a bathroom.
- Keep the charger out of the reach of small children.

CAUTION

To avoid short circuiting, fire or electric shock:

- Do not use the charger if the power plug is damaged or not fully inserted into the outlet.

To avoid battery overheating, fire, leakage or bursting:

- Do not charge batteries continuously for more than 2 days (48 hours).
- Be sure to charge batteries within a temperature of 0°C to 40°C.
- Do not put heavy objects on top the charger or store in an unstable position or humid place.

If the charger appears to be malfunctioning, disconnect the power plug and consult your nearest service station.

- Disconnect the power plug when not charging.



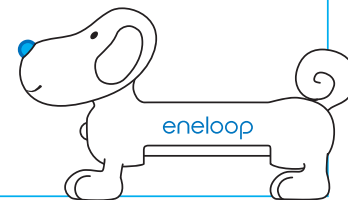
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