

Charging Safety

Do not charge near hot temperatures like an electric blanket, stove, near direct sunlight, inside of a car, or under hot sun, etc. In addition, please do not cover the charger with a blanket. In such cases, battery would not be fully charged because the temperature inside of the charger will become hot, and the safety protective function will be activated and stop charging.

Please charge at temperature between 32F to 104F.

Correctly use "eneloop" Ni-MH battery

About Charging

Depending upon storage condition, typically eneloop does not need to be recharged for the first time if used within 2 years from the manufactured date. However, there may be a time when some digital cameras may display the low battery indicator. In these cases, please recharge. (For the Charger-set, manufactured date is printed on the package).

Spec

Input	AC100-120V 50-60Hz 8VA	Size	105 x 70 x 29 mm
Output	DC1.2V AA 300mAh x 4 AAA 150 mAh x 4V	Weight	About 120g
		Temp. range	32 F – 104F
Suitable Battery		Charge time	1 – 4 battery
Ni-MH battery eneloop	AA HR-3UTG (Typ. 2000mAh, Min. 1900mAh*)	Approx. 7 hours	
	AAA HR-4UTG (Typ. 800mAh, Min. 750mAh*)	Approx. 6 hours	

Charge time is the time it takes to charge a fully discharged battery. The charge time will depend on the remaining charge in the battery and the ambient temperature.

Questions

Call GE SANYO at (866) 848-9912 • SANYO Energy (U.S.A.) Corp., c/o XIANG, 1840 County Line Road Huntingdon Valley, PA 19006
sanyo@accessoryhelp.info • www.sanyobatteries.com



Ni-MH

Please recycle used rechargeable batteries.

All rechargeable batteries contain precious resources that can be reused. To learn more about recycling or to find a drop-off location, please visit <http://www.rtrc.org>

Charger for AA and AAA batteries

SANYO

NC-MQN05 eneloop Ni-MH eneloop battery

Instruction Manual

Thank you for buying our product. Please read this instruction manual before using charger.

SANYO

SANYO Electric Co., Ltd.

About Chargerset NC-MQN05

Before using, take out the batteries and remove insulating sheet.



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Notes on Safety (Please read for proper use.)

Severity of Symbol	
Danger	- Very close to causing death or heavy damage to human body.
Warning	- May cause death or heavy damage to human body.
Caution	- May cause heavy damage to human body or property damage.

Example of the symbols	
	This symbol is to inform that the action written inside of the symbol is prohibited. (Left is to prohibit you from taking a part)

Safety issues of charger

Danger	
Use under the specified voltage	

Please use under AC100V to 120V. Otherwise, may cause high heat, fire breakout, electric shock, or harm to human body.

Warning	
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Do not allow metal objects come into contact with charger. May cause electric shock, excessive heat, or fire.

For safety and to ensure proper use, please supervise children while handling charger.

Caution	
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May deform charger causing high heat, leakage, or explosion.

Do not place heavy objects on top of the charger. Avoid unstable locations like areas with strong magnetic fields or dust. May cause excessive heat or fire.

Charger should be used between 32F to 104F. If ambient temperature is higher, charger may cause the battery to leak or rupture.

Regarding eneloop Ni-MH batteries

Please follow the instructions below to avoid damage or injury.

Danger	
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Do not dispose of in fire. Do not heat, deform, solder, disassemble or modify.

Do not insert batteries with the (+) and (-) ends reversed.

If leaked liquid gets in the eyes, wash them with clean water and consult a doctor immediately.

Batteries should not be used in under water lightning or in sealed electronic devices.

Warning	
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Do not connect the (+) and (-) ends with metal objects. When carrying or storing batteries, avoid direct contact with metal objects

Children should be supervised while handling the batteries.

Do not peel off or damage the outer tube.

If leaked liquid gets on the skin or clothing, wash off with clean water immediately.

Do not connect 10 batteries or more in series.

Caution	
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Operating temperature range
Ni-MH battery eneloop

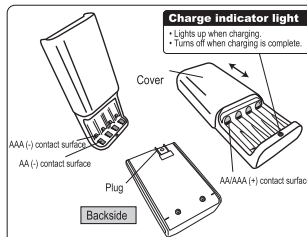
• Discharge - 41F to 122F
• Recharge 32F to 104F
• Store - 68F to 86F

• Outside of the indicated range, battery's performance and life-cycle may decrease.

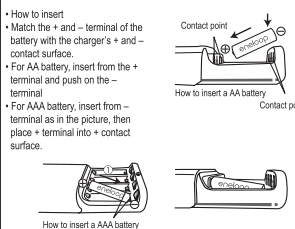
Do not use this batteries together with dry cells, other types of batteries, new or old batteries together, no batteries with different charge levels.

Parts and usage

With this charger, you can charge up to 4 AA or AAA eneloop Ni-MH batteries.



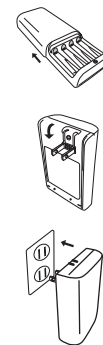
How to insert and remove battery



• How to remove
• For AA battery, take out from - terminal
• For AA battery, if push on the + side, -side will pop out for easy removal.

How to charge

- Slide the cover up
- Place batteries and slide down the cover. Review the "How to insert and remove battery" section.
- Swing the plug out as shown on the right. Plug it into AC100-120V outlet.
- Confirm that the indication light turns on.
- Do not plug in upside down. If plugged in upside down, it will finish charging before it is fully charged.
- When charging is finished, indicator light will turn off. When all of the battery are charged light will turn off. Refer to charging chart for typical charge time.
- After charging is done, please unplug the charger from the outlet
- Swing plug back into place.



Indication light

Appearance	Status	Handling
On	Charging properly	It is normal
On / off	Finish charging	Take out the battery and use it
Does not turn on	Not charging	Review manual
Blinking every 2 seconds	Not charging	Charge in the room temp. range of 32F-104F
Blinking every 0.5 seconds	Abnormal battery	Remove disposable or old battery

* All statements concerning capacity (mAh) or the life of the battery (cycle life) are based on IEC61951-2.

* Statements concerning long term storage is based on simulations at room temperature.

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