



GB

eneloop AA & AAA Batteries

NC-MQR06W QUICK CHARGER

Operating Instructions

Thank you for purchasing this SANYO product. Please read and understand this instruction carefully to ensure safe and satisfactory operation. Keep this instruction handy for future reference.

Specification			
Input	AC100-240V ~ 50 - 60Hz 7W	Size	85 x 105 x 73 mm
Output	DC 1.2V ===	Weight	approx. 111g
	560mA x 4 / 1120mA x 2 / 1680mA x 1 (AA)	Temp. range	0°C – 40°C
	280mA x 4 / 560mA x 2 / 840mA x 1 (AAA)		
Battery Type: Ni-MH		Charge time*	
		1-4pcs Normal Charge	2pcs Double Speed
AA	1000mA	approx. 110mins	approx. 35mins
	2000mA	approx. 220mins	approx. 110mins
	2500mA	approx. 270mins	approx. 135mins
	2700mA	approx. 300mins	approx. 150mins
AAA	600mA	approx. 145mins	approx. 75mins
	800mA	approx. 200mins	approx. 100mins
	1000mA	approx. 240mins	approx. 120mins
			approx. 80mins

*Note

- Charge time [Double Speed] When 2 batteries are inserted in both ends of the charger, [Triple Speed] When 1 battery is inserted in either end of the charger, (please refer to [Double or Triple Speed Quick Charging])
- The charge time will depend on the remaining charge in the battery and the ambient temperature (Please charge at temperature between 0°C to 40°C).
- Charging time may be slightly longer if you remove the battery and recharge it again.

SANYO Electric Co.,Ltd.

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 symbol is to prohibit you from dismantling)

Safety issues of charger

Danger

Use under the specified voltage

- Please use under AC100V to 240V. Otherwise, may cause high heat, fire breakout, electric shock, or harm to human body.

Warning

- Do not allow metal objects to come into contact with the charger. May cause electric shock, excessive heat or fire.
- This appliance is not intended for use by persons (including children) with reduced physical, sensory or mental capabilities, or lack of experience and knowledge, unless they have been given supervision or instruction concerning use of the appliance by a person responsible for their safety. Children should be supervised to ensure that they do not play with the appliance. Do not charge non-rechargeable batteries.
- Do not detach attachment plug for safety.

Caution

- 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 0°C to 40°C. If ambient temperature is higher, charger may cause the battery to leak or rupture.

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 0°C to 40°C.

Regarding Ni-MH batteries

Please follow the instructions below to avoid damage or injury.

Danger

- 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 underwater lighting or in sealed electronic devices.

Warning

- 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

Operating temperature range for Ni-MH battery

- Discharge -5°C to 50°C
- Recharge 0°C to 40°C
- Store -20°C to 30°C
- Outside of the indicated range, battery's performance and life-cycle may decrease.

Do not use these batteries together with dry cells, other types of batteries, new or old batteries together, or batteries with different charged levels.

Correct use of “eneloop” Ni-MH battery

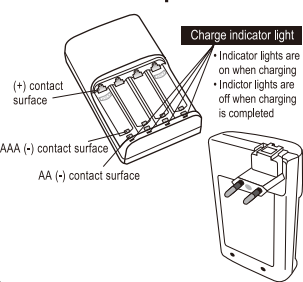
About Charging

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.

- * 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.

Parts and usage

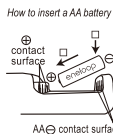
Can charge up to 4 AA or AAA Ni-MH eneloop batteries



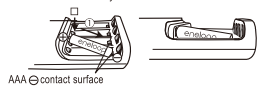
How to insert and remove battery

How to insert

- Match the (+) and (-) terminal of the battery with the charger's (+) and (-) contact surface.
- For AA battery, insert from the (+) terminal and push on the (-) terminal.
- For AAA battery, insert from (-) terminal as in the picture, then place (+) terminal into (+) contact surface.



How to insert a AAA battery

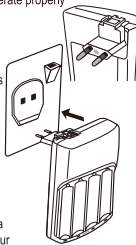
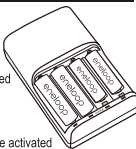


How to remove

- For AA battery, take out from (-) terminal.
- For AAA battery, if pushed on the (+) side, (-) side will pop out for easy removal.

How to charge

1. Insert battery
 - Please refer to "How to insert and remove battery" for inserting or removing the battery.
 - AA and AAA batteries can be charged at the same time
2. Plug into the power outlet
 - Function of the indicator lights will be activated
 - Indicators lights will be lighted once the batteries are inserted correctly. (Refer to "How to insert and remove battery")
 - Please note that charger will not operate properly if plugged in upside down
3. When charging is completed, the indicator lights will turn off
 - Do not charge for more than 6 hours
 - Refer to charging chart for typical charging time
4. When charging is done, remove the charger from the power outlet and detach batteries from the charger
5. Do not operate the charger near to a TV or radio as interference may occur

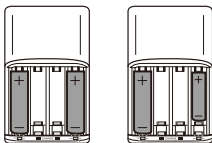


Indication light

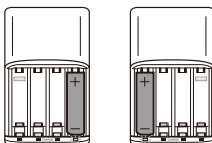
Appearance	Status	Handling
Indicator lights are on	Charging	Normal
Indicator lights are off	Finished charging	Batteries are ready for use
Indicator lights are off	Default mode	a) No batteries in the charger b) Batteries are connected incorrectly c) The charger has internal failure d) Power off
Indicator lights flash every 1.5secs	Default mode	Please charge at 0 °C – 40 °C
Indicator lights flash every 0.5secs	Abnormal charging	Please replace to new batteries

Double or Triple Speed Quick Charging

Double Speed Quick Charging:
Two batteries at each end per charge.



Triple Speed Quick Charging:
One battery at either end per charge.



Double/Triple Speed Quick charging works when charging AA or AAA in the same way.

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