

# SANYO

## AA/AAA USB Charger Ni-MH

### Operating Instructions Model: NC-MDU01

Thank you for purchasing this SANYO product. For safe and correct use, please read these instructions carefully. Please keep the instructions for later reference.

#### Specifications

SANYO Model No.	NC-MDU01
Input	DC 5 V, max. 500 mA
Output	DC 1.2 V, 850 mA x 1 (Quick), 450 mA x 2
Battery charge times (approx. minutes)*	eneloop Ni-MH AA (typ. 2000 mAh) 1 pc. 140 min, 2 pcs. 280 min eneloop Ni-MH AAA (typ. 800 mAh) 1 pc. 60 min, 2 pcs. 120 min

(\*): Guideline value only; actual charging times may vary slightly. Please refer to Operating Instructions.

Dimensions (L x W x H)	93 x 47 x 17.5 mm
Weight	Approx. 47 g
Charging temperature range	0 °C – 40 °C
Connector type	USB type A
Compatible computer models	Models with a USB port as standard equipment where the computer manufacturer guarantees the operation of the USB port and has a USB port fitted as Standard equipment.

#### Temperature range

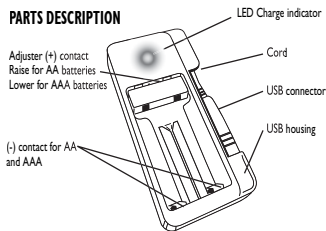
Discharging (battery use)	-5 °C – 50 °C
Charging	0 °C – 40 °C
Storage	-20 °C – 30 °C

Usage outside of these temperature ranges may decrease the performance and/or the life of the battery.

#### Features

- This is a small and slim eneloop charger for AA and AAA eneloop batteries.
- One or two AA or AAA eneloop batteries can be charged.
- No AC adapter is required.

#### PARTS DESCRIPTION



#### HOW TO INSERT THE BATTERY

Depending on whether the adjuster is raised or not, one or two AA or AAA batteries can be charged.

Raise the adjuster for AA batteries

Lower the adjuster for AAA batteries



#### Operating Instructions

##### HOW TO CHARGE

1. Insert one or two eneloop batteries into the charger. Raise or lower the adjuster depending on the type of battery to be charged.
  - Raise the adjuster to charge AA batteries.
  - Lower the adjuster to charge AAA batteries.
  - AA and AAA batteries cannot be charged at the same time.

2. Insert the USB connector of the charger into the USB port of an operating computer. Charging takes place when the LED Charge Indicator is flashing.

Note: Do not connect other equipment to other USB ports on the computer while charging or the required Power may be exceeded. Charging might be stopped or the computer damaged or Data lost. The power supply capacity may be exceeded and charging may become impossible or the computer may be damaged and important data may be lost.

3. When charging has been completed the LED Charge indicator remains lit. Remove the USB connector from the USB port of the computer and remove the battery (batteries).
  - Directly after completion of charging, the battery is hot, but this is normal.

Note: If the adjuster has been raised, lower the adjuster for storage.

The following can be considered when the charge time is exceeded:

- The personal computer has entered standby mode during charging. (\*)
- The available power is insufficient because other equipment is connected to other USB ports.
- Charging has been paused for temperature protection.
- During charging of one battery, another battery has been added.

(\*) Please refer to the instructions for your computer and cancel standby mode.

##### LED Charge indication light

-----	Approx. every 1.5 sec	Charging
-----	Steady	Charging completed (*)
-----	Approx. every 0.5 sec	Battery abnormal
Not lit		Stop during charging (computer standby mode etc.)

(\*) When two batteries are being charged, the condition where charging of both batteries has been completed.

#### Cautions for Battery Charger Usage

##### WARNING!

- This charger is only for AA and AAA Ni-MH batteries made by SANYO.
- Do not attempt to charge alkaline batteries.
- Do not connect equipment to other USB ports while charging. The available power required may be exceeded and the computer may be damaged or data may be lost.
- Do not connect via a USB connection cable. This may cause interference with other electrical equipment.
- Do not use the charger in areas of high humidity or where it may be exposed to water.
- Insert the batteries into the charger with matched polarity.
- Disconnect the charger from the port after completion of charging.
- Lower the adjuster when the charger is not being used. Put the USB connector into USB housing of the charger.
- Do not pull the USB connector and the cord excessively.
- Do not touch the charger or the batteries with wet hands.
- Use the charger in the temperature range from 0 °C to 40 °C.
- Do not insert Metallic objects other than eneloop batteries into the charger.
- Do not modify or disassemble the charger.
- In case of abnormalities or trouble, disconnect the USB connector from the computer port and contact your dealer.
- Keep the charger out of reach of small children. If children are to use the charger, keep them under observation.
- Do not store the charger in locations with high humidity or dust.