

# Slim Travel plug-in Charger

Model V-3299USB

## Owner's Manual

Thank you for purchasing the Slim Travel plug-in Charger. Please read this manual carefully. It contains important operating instructions. This Slim Travel plug-in Charger will quickly and efficiently charge all AA or AAA Nickel Metal-Hydrate (Ni-MH) batteries. The built-in high efficiency "switching" type power supply will adjust automatically to any voltage from 100-240VAC, for international use.

## Warning :

- Batteries (if included) are not charged as shipped. Must be charged prior to first use.
- Charge **only** Ni-MH type batteries in this charger.
- Batteries may leak or explode causing personal injury if inserted improperly, disposed of in fire, mixed with other battery types, or short circuit.

## Features :

- Recharge 2 or 4 pieces of AA or AAA Ni-MH batteries at a time.
- Built-in switching power technology for worldwide (100-240V AC) use
- With USB port for charging handheld devices, including cellphone, PDA, iPod and more.
- Microprocessor Controlled – Batteries life well protected by negative delta V cut-off function and timer protection.
- Automatic charging current selection for AA & AAA batteries.
- Equipped with 2 LED lamps to indicate charging mode:
  - Red LED light on – Quick charge;
  - Flashing Red LED – Alkaline or bad cell detection;
  - Red LED off – Charge is completed;
  - Green LED light on – USB port is ready for use.
- Smart channels designed against wrong polarity.

## Charging Instructions

1. Insert 2 or 4 pieces of AA/AAA rechargeable Ni-MH batteries into the battery compartment; batteries must be charged in pairs. For charging only 2 cells, insert the batteries to the left or right side of the charging terminal (Fig. 1) & (Fig.2)

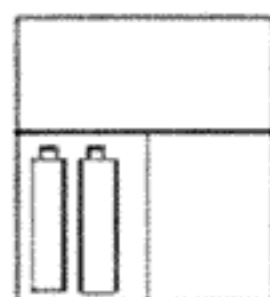


Fig. 1

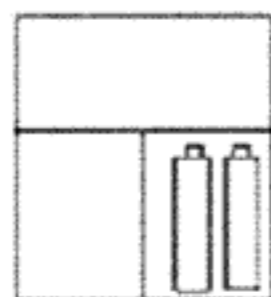


Fig. 2

2. Make correct contact for polarity ( + and - ) ; according to the sign in the battery compartment.
3. Charge AA or AAA or both sizes together at a time. To charge both sizes together at once, put a pair of AA/AAA batteries on left or right side and the others put in the remain empty compartment. (Fig. 3) & (Fig. 4)



Fig. 3



Fig. 4

4. Plug the charger into any available 100-240VAC outlet. The built-in switching power supply will adjust automatically. When using overseas, a proper plug adaptor may be required (not supplied). The Red LED will light on when the batteries are receiving charge.
5. When the batteries are fully charged, the Red LED will turn off to indicate that the charge is completed and batteries are ready for use. The USB socket is ready for us when the green LED lights on.
6. Once charge is completed, remove batteries and unplug charger as soon as it is practical. Do not leave batteries in charger for extended period of time (more than 2 days) OR when the charger is not plugged in. Unplug the charger when not in use.
7. Begin again at Step-1 to charge the next set of batteries.

## CAUTION:

1. The USB socket can be used when the charger is plugged-in and no batteries are charged.
2. The charging process will be terminated when USB socket is being used.
3. The Green Light (USB) will turn on to indicate the USB socket is ready for use.
4. Make sure the maximum loading is not exceeding 500mA for the USB socket.

## Safety Features :

- Negative delta V cut -off function
- Safety timer to prevent over charge
- Reverse-polarity protection
- Bad cell Detection

## Bad Cell Detection :

When charge process is started, the charger detects the health status of each of the cells in the battery compartment. If any batteries are unsuitable for charging. i.e. short circuit or reversed polarity, the LED will start FLASHING rapidly. The damage cell(s) should be properly disposed of.

## Specifications :

Input :	100-240VAC, 50/60Hz
Output :	AA: 2 x 2.8VDC 600mA 3.36VA AAA: 2 x 2.8VDC 350mA 1.96VA 5VDC 500mA(USB Output)

## Charging Time :

Type	Capacity	Charging time
AA	1800-2000 mAh	3 – 3.5 hours
	2100-2300 mAh	3.5 – 4 hours
	2500-2800mAh	4.5 – 5 hours
AAA	700-800 mAh	2 – 2.5 hours
	900-1200 mAh	3 – 3.5 hours

\*The charging time will vary depending upon the brand, capacity and condition of batteries being charged.

## Important Safety Instructions

1. Before charging, read instruction.
2. This charger is intended for use with Nickel-metal-hydrate rechargeable batteries only. Attempting to charge other types of batteries may cause personal injury and damage to the charger.
3. Do not expose charger to rain or moisture. For indoor use only.
4. Remove from mains when not in use.
5. Never use an extension cord or any attachment not recommended by manufacturer, otherwise this may result in a risk of fire, electric shock or injury to persons.
6. Do not operate the charger if it has been subjected to shock or damage. Take it to a qualified serviceman for repair.
7. Do not disassemble the charger. Incorrect reassemble may result in a risk of electric shock or fire.
8. Unplug the charger from outlet before attempting any maintenance of cleaning. Use damp cloth to clean the surface, do not immerse into water.
9. Before scrapping your charger, remove the batteries from the unit and they are disposed of safety.
10. The appliance is not intended for use by young children or infirm persons without supervision. Young children should be supervised to ensure that they do not play with the appliance.
11. This power unit is intended to be correctly orientated in a vertical or floor mount position.
12. 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

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