Eco Charger CT-515 Instruction Manual

A) Introduction

Thank you for purchasing this high quality product. It has been researched and developed over a number of years leading to a truly unique product. Components used are of international standards and will allow you many years of problem free usage. Please read this instruction manual carefully.

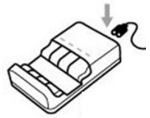
THIS UNIT CHARGES REGULAR DISPOSABLE ALKALINE BATTERIES.

- Together we can help our earth by making a difference in reducing the volume of wasted batteries.
- This battery charger can charge used Alkaline as well as NIMH batteries.
- This charger is patented in Taiwan, China, Japan, USA, Germany & Australia and most other countries in progress.
- Please read through and follow the instructions before using the product. We offer one-year warranty under normal use. A free repair service is offered within the one year warranty period.
- Exceptions to warranty claims:
  - Misuse of this charger: For example if the product is damaged by a leaking battery chemical substance due to old, broken, rusted or non-active batteries.
  - Damage caused by natural disasters such as fire, earthquakes, typhoons or hurricanes, floods, lighting, abnormal voltage spikes. Damage due to improper storage.
  - Damages caused by dropping the charger, soaking or abuse after purchasing.
  - Damages due to disassembly, modification, maintained or repaired by any unauthorized parties.

B) Functions and Features

- Applicable to AA and AAA Alkaline / NIMH batteries (2700mAH max rated capacity of each battery that can be charged)
- Individual charging circuit for each battery to be charged (Allows a single battery to be charged), and is able to charge up to four batteries simultaneously.
- Easy LED indicators.
- Micro-processor chip controlled system that will automatically detect charge and monitor temperature to prevent over charging.
- Safety charging time (4 hour automatic cut-off)
- Automatic cut-off system after charging complets.
- Automatic cut-off system when batteries are dislodged.
- Automatic cut-off system to prevent overheating.
- Foolproof, misplacement of batteries in wrong poles not possible due to design.
- Universal voltage range: AC100V-240V

C) How to Use



1. Plug power cord into socket. (AC100V-240V)

2. Put the battery into the charging channel according to the appropriate pole.

3. Charging completed: Green & Red light flashes 5 times then stays Green.

- Plug the power cord into the socket (AC100V-240V)
- Connect the power cord to the Battery Charger, the LED indicator will flash RED and GREEN once only. The Battery Charger is in stand-by mode when the LED indicator appears Green.
- Insert the batteries into the correct poles in the charger.
  - **Low voltage or aged batteries:** LED indicator will staff off and only come on once batteries have been removed.
  - **New batteries and Fully charged batteries:** LED indicator will flash Green five times and then enter "stand-by" mode.
  - **It is normal if the temperature of the batteries rise during charging.**

- **LED Indicator Status:** Red light means the device is in charging mode.
  - **Charging time:** Four hours
  - **Overheat warning indication:** Charging circuit will cut off automatically. LED indicator - Red and Green LRD will flash five times. The charger will then return to charging mode once the temperature has gone back to normal.
  - **Batteries fall out:** Charging circuit will cut off automatically. LED Indicator - Green light will flash once and then go off.
  - **Charing completes:** Charging circuit will cut off automatically. LED Indicator - Red and Green LED will flash five times. The charger then returns to "stand-by" mode. The charged batteries are now ready to be used.

D) LED Indicator definitions:

- **Power On:** LED Indicator shows green light.
- **Charging mode:** LED Indicator shows red light.
- **Charging completed mode:** LED Indicator light flashes Red and Green five times then changes to Green.
- **New batteries and fully charged batteries:** LED Indicator light will flash Green five times then enter "stand-by" mode.
- **Batteries fall out:** LED Indicator light flashes once before turning off.
- **Overheating:** LED Indicator light flashes Green and Red.

E) Caution

- This battery charger can charge **Alkaline and NIMH** batteries only. **Do not charge Carbon-Zinc, Li-Po or any other type of battery.**
- **Do Not** use batteries that have been inactive for long a period of time, batteries should be in good condition. Charging very old, damaged or rusted batteries could result in overheating or leaking of chemical substances. This would nullify the one year warranty.
- It is recommended to use the charger with newly produced batteries. **Avoid charging cheap batteries of unknown brands.** These are often supplied with toys or remote controls. The quality of these batteries is inferior.
- It is recommended that you charge used NIMH batteries twice consecutively (approx. 8 hours) before use to ensure optimum battery life and performance.
- Do Not charge deformed, damaged, rusted or leaking batteries with this charger.
- Make sure the charger is in "stand-by" mode before charging any used batteries.
- **If the LED indicator light goes off when loading the used batteries, the batteries are too old to be charged – discard these batteries in an environmentally friendly manner.**
- Remove all batteries from the charger and unplug the charger from the wall socket when not in use.
- Store new and used batteries in separate containers to avoid mixing. It is also important to store batteries so that the positive and negative poles do not touch. Throwing a pile of charged batteries loosely in a draw could result in their negative/positive poles touching and the batteries overheating.
- Use this charger indoors only. Please keep it away from extreme temperatures and direct exposure to sunlight, rain, snow and any other elements.
- **Do Not** drop the charger or place heave objects on top of it.
- **Do Not** disassemble the charger, this could lead to electrical shock.
- Do not allow children to operate this device unless under adult supervision.
- The colour of the product may differ from the picture and may change appearance without any notice.

F) Product Specification

Model No	Eco Charger CT-515
Input Voltage	~AC100V-240V 50/60Hz 6w
Fuse Rating	T1A/250Vac
Output Voltage	=DC1.7V*4
Maximum Output Current	350MA*4
Dimension (L x W x H)	118*71*30 (mm)