

USER MANUAL

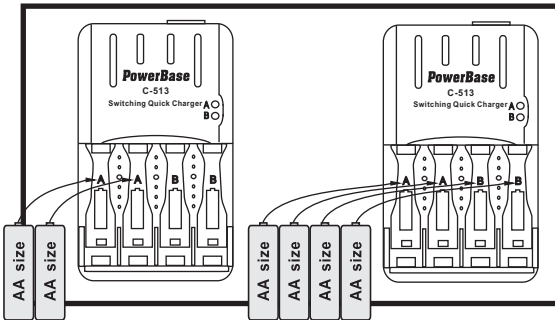
Congratulation on your purchase of the outstanding PowerBase Switching Quick Charger C-513 and batteries. This manual will help you understand how to operate this Charger and Batteries properly.

FEATURES OF C-513 QUICK CHARGER

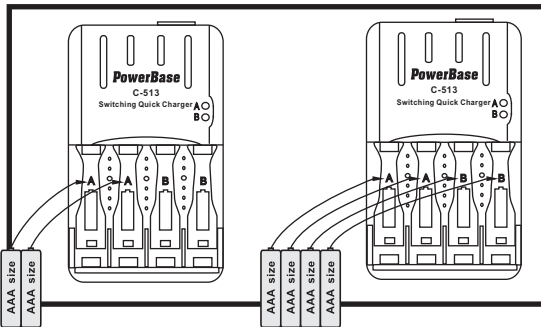
- Auto Voltage switching 100~240V, international use.
- 2 or 4 AA / AAA size Ni-MH/Ni-Cd batteries can be charged.
- Green & Red LED Indicator for standby, charging and complete states.
- Trickle pre-charge and trickle maintain functions.
- Automatic IC cut-off (-delta Voltage), Timer protection, pulse charging current to avoid memory effect.
- C-513 can be used in indoor by AC outlet or outdoor by 12V DC car adaptor.
- Possess reverse polarity protection.

*C-513 charger is designed to charge 2 or 4 AA/AAA size Ni-MH batteries. Please refer to the combinations below.

(1) For 2 or 4 AA size Ni-MH Cells



(2) For 2 or 4 AAA size Ni-MH Cells



NOTE: Never put Ni-MH and Ni-Cd batteries together in the PowerBase Charger.

CAUTION

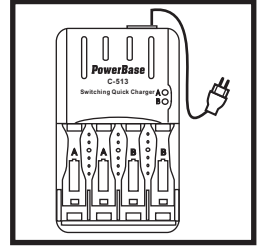
1. Do NOT recharge Ni-Mh & Ni-Cd rechargeable batteries at the same time.
2. This product is designed for Ni-Mh/Ni-Cd rechargeable batteries only. To avoid personal injury and damage, do not charge any primary alkaline, zinc chloride, or zinc carbon type batteries.
3. Do not expose the charger to rain or moisture.
4. Do not operate the charger using an extension cord.
5. Do not use the charger if it has received a sharp blow, been dropped, Or damaged in anyhow.
6. To reduce risk of shock, disconnect the AC power source (AC adaptor) from outlet before attempting any cleaning of the charger.
7. Do not charge a leaking, corroded or dead battery.
8. Do not attempt to repair charger by yourself. When service or repair is required, contact qualified service personnel.
9. Do not try to disassemble the charger.
10. Store the charger in a cool and dry place when not in use. Keep away from children.

PLEASE NOTE:

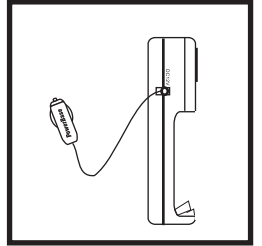
*PowerBase Industrial (HK) Ltd. will not be responsible for any personnel loss and/or injury if the defect was caused by misuse or mishandling by the user in any way.

CHARGER OPERATION

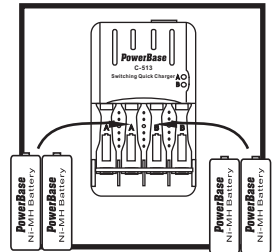
- 1 : Connect the charger cable to the AC power outlet.
The Green LED will be light up to indicate the charger in standby state.



- 2 : Connect the 12V DC car adaptor to the car cigarette lighter power hole for power supply.
The Green LED will be light up to indicate the charger in standby state.

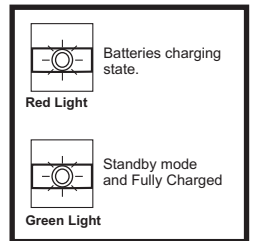


- 3 : Select the type of the batteries AA or AAA size.
Put the batteries into (A) position when charging 2 pieces AA or AAA.
Put the batteries into (A) and (B) position When charging 4 pieces AA or AAA batteries.



- 4 : Green LED light up when the charger is in standby mode.
Red LED light up and flash that indicates the batteries is being charged.

After fully charged, the LED will change to Green light from Red. Then, the charger will go to trickle charge.
Take out the batteries and shut off the power.



CHARGER SPECIFICATION :

International Voltage	Switching : 100~240V 50~60Hz (UL, VDE, SAA, BS, JIS)
Battery Type / Size	Ni-MH AA & AAA Batteries
Charging Current	500mA / AA 500mA / AAA
Charging Mode	Pulse charging current
Trickle Charge	Trickle pre-charge and trickle maintain function
Termination Method	Minus Delta V (- ΔV)
Operation Temperature	-10 $^{\circ}$ C 40 $^{\circ}$ C