



**Model No.: VTE-Universal-Smart
Computer Controlled universal
Ni-CD & Ni-MH battery charger**

Your AA/AAA/C/D/PP3 Battery Charger is designed to charge Vapex'Tech NiMH rechargeable batteries rated to 2700mAh(AA) , 1000mAh (AAA), 9000mAh(D), 4000mAh(C) & 280mAh(PP3). The batteries will be fully-charged by Microprocessor-Control System for AA/AAA/C/D batteries and 14 hours timer for PP3 batteries. You can charge 1, 2, 3 or 4 AA/AAA/C/D NiMH batteries or any and these four types NiMH/NiCd batteries simultaneously. You can also charge 1 or 2 PP3 batteries at a time.

SAVE THESE INSTRUCTIONS

CHARGER FEATURES INCLUDE:

The charger has equipped with the microprocessor to control the charging. Detection of bad cell (For AAA, AA, C and D size batteries only)

Insert batteries in charging slots **do not press red button.**

When the battery is placed into the compartment, the red LED will be light up and the charger will detect the status of the battery at that moment. If the battery is not suitable for recharging, the LED light will switch off and stop charging.

Defective are indicated by:

- a) LED indicator off
- b) LED indicator blinking

LED Red: Quick Charge

LED Green: Trickle charge

OPERATING INSTRUCTIONS:

1. Connect the AC adaptor's jack to the charger.
2. Insert 1 to 4 pieces AA / AAA / C / D and/or 1 to 2 pieces 9V block Ni-Cd and Ni-MH cells in the battery compartment.

YOU CAN MIX TO RECHARGE NICKEL-METAL-HYDRIDE AND NICKEL-CADMIUM BATTERIES.

3. Charging without discharge (For AAA, AA, C and D size batteries)
Plug the AC adaptor into a correct house-hold electric outlet. The red LED will light up and the quick charge mode starts. When the battery is charged, the red lights will turn off and the green LED will light up and the trickle charge mode is on. The charged batteries are ready for use.
4. Charging with discharge (For AAA, AA, C and D size batteries)
Plug the AC adaptor into a correct house-hold electric outlet and press the red "Discharge" button within 30 seconds. The red LED will light up and flash to indicate the discharge mode is started. When the

battery is discharged, the red lights will light up and stop flashing to indicate quick charging mode. After the battery is charged, the red lights will turn off and the green LED will light up and the trickle charge mode is on. The charged batteries are ready for use.

5. When 9V cells are placed in the charger, one red LED (between the 9V battery compartments) will on. After the proper charge time is reached (14 hours by timer) the red LED will goes off to indicate the charging is finished.
6. Unplug the charger and remove the batteries from the charger when not in use.

Please use this charger in an area between 59 and 77 degree Fahrenheit (15 and 25 degree Celsius); It is normal for batteries to become warm while charging and is no cause for alarm.

For lower rated capacity batteries, simply remove the batteries before the charge cycle is complete based on the following charge times. (Note batteries will not be damaged if left in the charger until the timer shuts off). For best results, always use Vapex'Tech NiMH rechargeable batteries.

CHARGING TIME FOR NiCd CELLS

Input	DC 12V 1000mA USE WITH AN EXTERNAL ADAPTOR	
Charge current:	Constant pulse current	Max Timer
AAA	350 mA	3.5 hours
AA	700 mA	4.5 hours
C	700 mA	9.5 hours
D	700 mA	17 hours
Trickle charge current: (AAA, AA, C, D)	1/10 constant pulse current	
Discharge current:		
AA, C, D	350mA	
AAA	125mA	
Detect Method	-ΔV auto cut-off for AAA, AA, C, D size batteries	
Charging current for 9V	20mA	
Charging time	14 hrs by timer controlled	
For battery Type	AAA 180-900mAh AA 500-2500mAh C 1200-4500mAh D 1200-9000mAh 9V 100-200mAh	

CAUTION:

- (1) Do not overcharge the batteries.
- (2) Do not expose charger to rain or moisture. For indoor use only.
- (3) Never charge NiMH and NiCd batteries at the same time.
- (4) This charger is intended for use with Nickel-Cadmium and Nickel-Metal-Hydride rechargeable batteries only. Attempting to charge other types of batteries may cause personal injury and damage to the charger.
- (5) 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.