

## Super Smart Ni-MH Charger

Specially designed with discharge function

Powered by external AC Switching Mode adaptor with worldwide input (100-240VAC 50/60Hz)

Model V-6280

### Owner's Manual

Thank you for purchasing the Super Smart Ni-MH Charger. Please read this manual carefully. It contains important operating instructions. This Super Smart Ni-MH Charger will quickly and efficiently charge all high capacity AA or AAA Nickel Metal-Hydride (Ni-MH) batteries **ONLY**.

### Warning :

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

### Features :

- Recharges 1 piece to 8 pieces **high capacity** of AA or AAA Ni-MH batteries at a time.
- Powered by the supplied **Switching Mode Adaptor** when using at home/Office or by the supplied DC Car Adaptor when using in a vehicle.
- Microprocessor Controlled – Batteries life well protected by negative delta V cut-off function
- Temperature sensors to avoid the battery from being damaged by over-heating
- **8 independent channels** with individual LED display for rapid charge/ trickle charge/ bad cell detection & discharge function. Red LED – rapid charge ; Green LED – trickle charge ; Flashing Red LED – Cells are not suitable for charging ; Flashing Green LED – Cells are under discharging.

### Safety Features :

- Negative delta V cut -off function
- Thermal cut off
- Reverse-polarity protection
- Bad cell Detection

### Charging Instructions

1. Insert 1 to 8 pieces of AA/AAA rechargeable Ni-MH batteries into the battery compartment.
2. Make correct contact for polarity ( + and – ) ; according to the sign in the battery compartment.
3. **When using at home/Office**  
Connect the supplied AC adaptor's barrel plug into the jack on the back of the charger. Plug the AC adaptor into household electric outlet. The switching power supply will adjust automatically, when using overseas a poplar plug adaptor must be required (not supplied) any available 100-240VAC.

**Caution:** The supplied AC adaptor supplies 12VDC and delivers 1.7A, and its plug fits into the charger's **DC input jack**. Using an adaptor that does not meet these specifications could damage the charger or the adaptor.

### When using in a vehicle

Connect the supplied DC car adaptor's barrel plug into the charger's **DC input jack**. Plug the large end of the cord into the 12V car lighter power port.

4. The Red LED will glow to indicate the proper charging. After the batteries are fully charged, the red LED will turn off and the green LED will light up indicating the trickle charge is on. The charged batteries are ready for use.
5. Unplug the charger and remove the batteries from the charger when not in use.
6. Begin again at *Step 1* to charge the next set of batteries.

### Discharging Instructions

1. Insert 1 to 8 pieces of AA/AAA rechargeable Ni-MH batteries into the battery compartment.
2. Make correct contact for polarity ( + and – ) ; according to the sign in the battery compartment.
3. Connect the supplied AC adaptor's barrel plug into the jack on the

back of the charger. Plug the AC adaptor into household electric outlet.

4. The Red LED will glow to indicate the proper charging. Press the blue discharge button to start discharging process. The RED LED will turn off and the green LED will light up and flash to indicate that the discharging process has begun.

**Noted:** The discharge process will not function when you press the blue discharge button more than 1 min after the charging process start.

5. The green LED will remain flash until the discharge process is individual complete for each battery. Once this process is complete, the green LED will turn off individual. After **all** the batteries have been discharged, the RED LED will automatically light up to indicate the battery charging process start.

STATUS PER CHANNEL	RED LED	GREEN LED
NO BATTERY / DISCHARGING PROCESS COMPLETED	OFF	OFF
CHARGING	ON	---
FULL CHARGE	---	ON
BAD CELL DETECTED	FLASHING	---
DISCHARGING	---	FLASHING

### 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 battery is unsuitable for charging. i.e. short circuit or reversed polarity, the RED LED will flash. The damage cell(s) should be properly disposed of.

### Specifications:

Power supply :	100-240VAC, 50/60 Hz International Compatible
Charge rate :	AA / AAA size – 700mA
Trickle charge rate :	AA / AAA size – 50mA
Discharge rate :	AA / AAA size – 300mA

### Charging time :

Size	Charging current	Ni-MH	
AA	700mA	1300mAh	120 minutes
		1600mAh	140 minutes
		1800mAh	160 minutes
		2000mAh	180 minutes
		2100mAh	190 minutes
		2300mAh	200 minutes
AAA	700mA	2500mAh	210 minutes
		650mAh	60 minutes
		700mAh	65 minutes
		800mAh	75 minutes
		900mAh	85 minutes

\*Charge 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-hydride 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.
9. This power unit is intended to be correctly orientated in a vertical or floor mount position.
10. Before scrapping your charger, remove the batteries from the unit and they are disposed of safety.