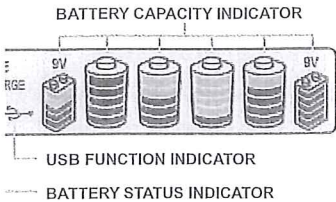


capabilities for cell conditioning to prolong
 outlet for mobile device, MP3 player, etc.
 50-60Hz AC Adapter for worldwide usage.

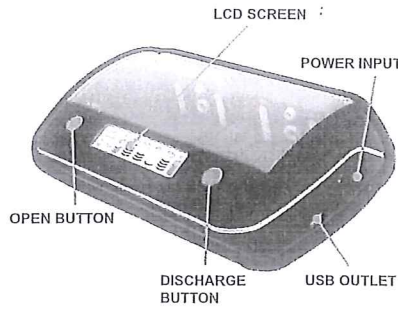
Features
 Delta-V cut-off function (9V excluded)
 Overcharge protection
 Short circuit protection
 Rechargeable battery/Bad cell detection
 Polarity protection

Display



Indicated the batteries are currently charging.
 Flashing: Indicates the batteries are currently
 charging.
 Solid: Indicates the batteries are fully charged.
 Red: Indicates the battery is damaged, faulty or expired.
 USB: Indicates the USB charging socket is
 in use.

Thank you for purchasing TENSAI TN-2000U Advanced
 Universal Charger. Please carefully read the instruction
 before using.



Specifications

Input	12V DC 1000mA (with supplied AC adaptor)
Charge current	AAA - 500mA AA/C/D -1300mA 9V - 30mA
USB output	5V DC 500mA
Discharge current	AA/AAA/C/D - 400mA
State of detection	Negative Delta-V cut-off (AA/AAA/C/D)

Features

- Fast charging capabilities of up to (4) AA/AAA/C/D and (2) 9V NiMH or NiCd rechargeable batteries
- LCD status display with blue backlighting
- Intelligent charging mode with auto cut-off for safety



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TN-2000U

Advanced Universal Battery Charger

PLEASE CAREFULLY READ
 THE INSTRUCTIONS
 BEFORE USING.

INSTRUCTION MANUAL

Bad Battery Detection

During the charging function if a battery is detected as damaged, faulty or expired, the LCD will display "Bad" and the status indicator will flash. If the Advanced Universal Charger detects a battery as bad, that battery is unsuitable for charging.

USB Charging

1. The USB charging socket can only be used when charging of batteries is complete, or there are no batteries in the charger.
2. The LCD will display the "USB Symbol" to indicate the USB charging socket is ready for use.
3. When charging a product using the USB charging socket make sure the Maximum loading does not exceed 500mA.

Charging Time Table

Battery Type (Ni-MH)	Capacity	Charging Time (approx.)
AAA	500-1200mAh	1.5-2.5 hours
AA	1300-2800mAh	1.5-2.5 hours
C	1800-4500mAh	1.5-4 hours
D	1800-9000mAh	1.5-7.5 hours
9V	150-300mAh	5-10 hours

Operation Instructions

Charging

1. Insert 1 - 4 AA/AAA/C/D or 1-2 9v rechargeable Ni-MH/NiCd batteries into the charger.
2. Ensure the batteries are inserted correctly for correct +/- connection.
3. The Advanced Universal Charger will automatically begin charging the batteries.
4. The LCD will display "Charge" and indicate the status for each battery.
5. When the batteries are fully charged the LCD will display "Full".
6. The batteries are now ready for use. Remove batteries and unplug the charger when not in use.

Discharging

1. Insert 1 - 4 AA/AAA/C/D or 1-2 9v rechargeable Ni-Mh batteries into the charger.
2. Ensure the batteries are inserted correctly for correct +/- connection.
3. The Advanced Universal Charger will automatically begin charging the batteries. To begin Discharging the batteries, press the Discharge button on the right hand side of the LCD display. (Please note the discharge button will only begin the discharge function up to one minute after the automatic charging has begun.)
4. The LCD will display "Discharge" and indicate the status for each battery.
5. When the batteries are fully discharged the charging function will automatically begin and the LCD will display "Charge".

Cautions

- Carefully follow all instructions.
- Do not disassemble the Advanced Universal Charger.
- Only charge Ni-MH/NiCd batteries. Charging other types of batteries may cause personal injury or damage to the charger.
- Only use the supplied AC Adaptor. (100-240v 50/60hz)
- The Advanced Universal Charger is for indoor use only.
- Keep the Advanced Universal Charger away from heated surroundings, humidity or liquid, otherwise it may cause personal injury or damage to the charger.
- Keep the Advanced Universal Charger out of children's reach.
- If the Advanced Universal Charger is damaged do not operate. Return it to a qualified serviceman for repair.
- Remove all debris from the charger before operating, otherwise it may cause personal injury or damage to the charger.



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