



Manuals.plus /

› VARTA /

› VARTA Universal LCD Charger+ (Model 57688101401) Instruction Manual

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For Rechargeable Batteries AA, AAA, C, D, and 9V with USB Port

General Information Safety Instructions Setup Operating
Instructions Maintenance Troubleshooting Specifications Support

1. GENERAL INFORMATION

Thank you for choosing the VARTA Universal LCD Charger+. This manual provides essential information for the safe and efficient use of your charger. Please read it thoroughly before first use and keep it for future reference.

1.1 Product Overview

The VARTA Universal LCD Charger+ is designed to charge various sizes of NiMH rechargeable batteries, including AA, AAA, C, D, and 9V. It features individual charging channels, an intuitive LCD display for charge status, and advanced safety technologies.



Image 1.1: Front view of the VARTA Universal LCD Charger+ showing the charging slots and LCD display.



Image 1.2: Product packaging highlighting compatible battery types (AA, AAA, C, D, 9V) and key features like individual charging channels and smart switch-off.

1.2 Package Contents

- 1 x VARTA Universal LCD Charger+
- 1 x Power Adapter (not explicitly listed but implied for a charger)
- 1 x Instruction Manual (this document)

2. SAFETY INSTRUCTIONS

To prevent injury or damage to the charger and batteries, always observe the following safety precautions:

- Use this charger only for NiMH rechargeable batteries. Do not attempt to charge alkaline, lithium, or any other non-rechargeable batteries, as this may lead to leakage, rupture, or explosion.
- Do not expose the charger to rain, moisture, or extreme temperatures.
- Do not disassemble, modify, or attempt to repair the charger. Refer all servicing to qualified personnel.
- Ensure proper polarity when inserting batteries. Incorrect insertion can cause damage.
- Keep the charger away from children and pets.
- Unplug the charger from the power outlet when not in use or before cleaning.
- Do not operate the charger if it has been damaged in any way.
- The charger is equipped with advanced safety features including reverse polarity protection, short-circuit protection, and detection of faulty or alkaline batteries.



Image 2.1: Visual representation of the charger's advanced safety technology, including features like time cut-off, minus-delta-V cut-off, reverse polarity protection, short-circuit protection, and detection of bad cells and alkaline batteries.

3. SETUP

1. **Unpack the Charger:** Carefully remove the VARTA Universal LCD Charger+ and its accessories

from the packaging.

2. **Connect Power:** Plug the power adapter into a standard wall outlet. Then, connect the other end of the adapter to the power input port on the charger. The LCD display should briefly illuminate, indicating that the charger is ready.
3. **Placement:** Place the charger on a stable, flat, and non-flammable surface, away from direct sunlight, heat sources, and moisture. Ensure adequate ventilation around the charger.

4. OPERATING INSTRUCTIONS

4.1 Inserting Batteries

The charger supports individual charging channels, allowing you to charge 1 to 4 AA/AAA/C/D batteries, and 1 x 9V battery simultaneously or independently.

1. Identify the correct slot for your battery size (AA, AAA, C, D, or 9V).
2. Insert the rechargeable NiMH battery into the corresponding slot, ensuring the correct polarity (+ and - terminals match the markings on the charger).
3. For AA, AAA, C, and D batteries, gently push the battery down and slide it into place. For 9V batteries, align the terminals and press firmly.



Image 4.1: Illustration of the charger's universal compatibility, showing slots for AAA, AA, C, D, and 9V NiMH battery sizes.



Image 4.2: Depiction of the individual charging channels, allowing 1 to 4 AA/AAA/C/D batteries and 1x 9V battery to be charged independently.



Image 4.3: Top-down view of the charger, clearly showing the multiple slots for different battery types and the 9V battery contacts.

4.2 Understanding the LCD Display

The integrated LCD display provides real-time information about the charging status of each battery.

- Each battery slot has a corresponding indicator on the LCD.
- The display shows the charge percentage (e.g., 0%, 35%, 64%, 100%) for each inserted battery.
- A dedicated indicator for the USB port may also be present, if applicable.



Image 4.4: Close-up of the innovative LCD display, illustrating how charge status (e.g., 0%, 35%, 64%, 100%) is indicated for each battery and the USB port.

4.3 Charging Process

1. Once batteries are correctly inserted, the charger will automatically begin the charging process.
2. The LCD display will show the current charge level for each battery.
3. Charging time varies depending on battery capacity and discharge level. For example, 4 AA 1600 mAh batteries can be fully charged in approximately 4 hours.
4. The charger will automatically switch off or enter trickle charge mode once batteries are fully charged to prevent overcharging.



Image 4.5: Graphic indicating that batteries are 100% charged, with an example charging time of approximately 4 hours for 4 AA 1600 mAh batteries. Actual performance may vary.

4.4 USB Port Usage

The integrated USB port allows you to charge external devices (e.g., smartphones, tablets) while the charger is connected to power. Simply connect your device's USB cable to the charger's USB port.

5. MAINTENANCE

- **Cleaning:** Disconnect the charger from the power supply before cleaning. Use a soft, dry cloth to wipe the exterior of the charger. Do not use liquid cleaners or solvents.
- **Storage:** When not in use, store the charger in a cool, dry place, away from direct sunlight and extreme temperatures.
- **Battery Care:** For optimal battery life, avoid completely discharging NiMH batteries before recharging.

6. TROUBLESHOOTING

Problem	Possible Cause	Solution
Charger display is off.	No power connection.	Ensure the power adapter is securely plugged into both the wall outlet and the charger.
Battery not charging / Error indication on display.	Incorrect battery type (e.g., alkaline). Incorrect polarity. Battery is faulty or severely damaged.	Ensure only NiMH rechargeable batteries are used. Check battery insertion for correct + and - alignment. Remove and reinsert the battery. If the error persists, the battery may be faulty and should be replaced.
Charging is slow.	High capacity batteries or multiple batteries charging simultaneously.	This is normal. Charging time depends on battery capacity and the number of batteries being charged.

7. SPECIFICATIONS

Feature	Detail
Model Number	57688101401
Compatible Battery Types	NiMH: AA, AAA, C, D, 9V
Charging Channels	Individual (1-4 AA/AAA/C/D, 1x 9V)
Output Voltage	9 Volts (for 9V battery)
Product Dimensions	9.84 x 7.09 x 3.54 inches (24.99 x 18.01 x 8.99 cm)
Item Weight	9.7 ounces (274 grams)
Manufacturer	VARTA
Special Features	LCD Display, USB Charging Port, Individual Charging Channels, Advanced Safety Technology (Minus-Delta-V cut-off, Reverse Polarity Protection, Short-Circuit Protection, Alkaline/Bad Cell Detection)

8. WARRANTY AND SUPPORT

VARTA products are manufactured to high-quality standards. For warranty information, technical support, or service inquiries, please refer to the warranty card included with your product or visit the official VARTA website. Please have your model number (57688101401) available when contacting support.

For further assistance, you may also contact your retailer.

