

VOLTCRAFT MW3310HC

Instruction Manual

VOLTCRAFT MW3310HC CHARGER

1. Introduction

This manual provides essential information for the safe and efficient operation of your VOLTCRAFT MW3310HC charger. Please read this manual thoroughly before using the device to ensure proper handling and to prevent damage or injury. This charger is designed for charging NiCd and NiMH battery packs with 5 to 8 cells.

2. Safety Instructions

Always observe the following safety precautions to prevent electric shock, fire, or damage to the charger or batteries:

- Use the charger only for NiCd and NiMH battery packs with 5 to 8 cells. Charging other battery types may cause explosion or fire.
- Do not expose the charger to moisture, rain, or extreme temperatures.
- Ensure proper ventilation during charging. Do not cover the charger.
- Never attempt to charge damaged or leaking batteries.
- Keep the charger away from children and pets.
- Disconnect the charger from the power outlet when not in use or before cleaning.
- Do not disassemble or modify the charger. Refer all servicing to qualified personnel.
- Ensure the input voltage matches the charger's specifications (100-240V~50/60Hz).

3. Package Contents

Verify that all items are present in the package:

- VOLTCRAFT MW3310HC Charger Unit
- Connection cables/adapters (e.g., alligator clips, Tamiya connector, barrel connector)
- Instruction Manual (this document)

4. Product Overview

The VOLTCRAFT MW3310HC is a compact and efficient charger designed for model building applications. It features Delta Peak fast charging, along with trickle discharge capabilities.



Figure 1: VOLTcraft MW3310HC Charger unit with included connection cables and adapters. The main unit displays the brand name, charging modes (Fast, Trickle, Discharge), current selection dial, and technical specifications.

Controls and Indicators:

- **FAST LED:** Illuminates when the charger is in fast charge mode.
- **TRICKLE LED:** Illuminates when the charger is in trickle charge mode.
- **DISCHARGE LED:** Illuminates when the charger is in discharge mode.
- **Current Selector Dial:** Allows selection between 1000mA and 2000mA charging current.
- **Input Cable:** Connects the charger to a 100-240V AC power source.
- **Output Cable:** Connects to the battery pack via various adapters.

5. Setup

Follow these steps to set up your charger:

1. Place the charger on a stable, non-flammable surface with adequate ventilation.
2. Ensure the battery pack to be charged is a NiCd or NiMH type with 5 to 8 cells.
3. Select the appropriate connection cable/adaptor for your battery pack (e.g., alligator clips, Tamiya connector, barrel connector).
4. Connect the selected adaptor to the charger's output cable.
5. Connect the battery pack to the adaptor, ensuring correct polarity.
6. Plug the charger's input cable into a suitable 100-240V AC power outlet.

6. Operating Instructions

Charging Process:

The VOLTcraft MW3310HC charger utilizes a Delta Peak detection method for efficient and safe charging of NiCd and NiMH batteries.

- **Fast Charge:** Once connected and powered, the charger will typically begin in fast charge mode. The **FAST** LED will illuminate. The charger monitors the battery voltage and temperature to detect the peak voltage, indicating a full charge.
- **Trickle Charge:** After the fast charge is complete (Delta Peak detected), the charger automatically switches to trickle charge mode. The **TRICKLE** LED will illuminate. This mode provides a low current to maintain the battery's full charge without overcharging, compensating for self-discharge.
- **Discharge:** The charger also features a discharge function. To discharge a battery, connect it and select the discharge mode (if applicable, based on the dial/button). The **DISCHARGE** LED will illuminate. This is useful for conditioning NiCd batteries to prevent memory effect.

Current Selection:

Use the current selector dial on the charger to choose the appropriate charging current for your battery pack:

- **1000mA:** Suitable for smaller capacity battery packs or for a slower, gentler charge.
- **2000mA:** Suitable for larger capacity battery packs, providing a faster charge.

Always refer to your battery pack's specifications for recommended charging currents.

7. Maintenance

Proper maintenance ensures the longevity and performance of your charger:

- **Cleaning:** Disconnect the charger from the power supply before cleaning. Use a soft, dry cloth to wipe the exterior. Do not use liquid cleaners or solvents.
- **Storage:** Store the charger in a cool, dry place away from direct sunlight and extreme temperatures. Keep it in its original packaging or a protective case when not in use.
- **Cable Care:** Regularly inspect cables and connectors for any signs of damage. Do not use the charger if cables are frayed or damaged.

8. Troubleshooting

If you encounter issues with your charger, refer to the table below for common problems and solutions:

Problem	Possible Cause	Solution
Charger not powering on.	No power from outlet; loose connection.	Check power outlet; ensure all cables are securely connected.
Battery not charging.	Incorrect battery type/cells; poor connection; battery damaged.	Verify battery compatibility (NiCd/NiMH, 5-8 cells); check battery connection polarity; inspect battery for damage.
Charger gets excessively hot.	Poor ventilation; damaged battery.	Ensure adequate airflow around the charger; discontinue use if battery is hot or damaged.
Charging takes too long.	Low current setting; high capacity battery.	Select 2000mA current setting if appropriate for your battery; charging time depends on battery capacity.

9. Specifications

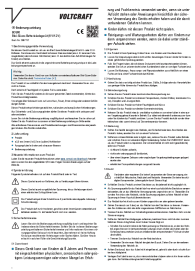
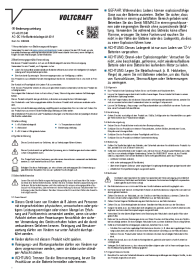
Feature	Detail
Model	MW3310HC
Input Voltage	100-240V~ 50/60Hz
Power Consumption	45W
Output Voltage	7V / 11.2V (for 5-8 cells)
Charging Current	1000mA / 2000mA (selectable)
Battery Types	NiCd, NiMH
Cell Count	5-8 cells
Charging Method	Delta Peak Fast Charge

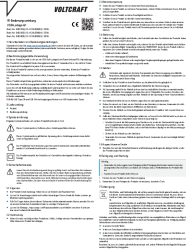
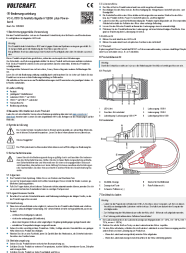
10. Warranty and Support

For warranty information or technical support, please refer to the documentation provided with your purchase or contact the VOLT CRAFT customer service. Keep your proof of purchase for warranty claims.

For further assistance, you may visit the official VOLT CRAFT website or contact their authorized service centers.

Related Documents - MW3310HC

	VOLT CRAFT BC800 Lead Acid Battery Charger (6V/12V) User Manual Comprehensive user manual for the VOLT CRAFT BC800 Lead Acid Battery Charger, detailing intended use, safety instructions, connection procedures, technical specifications, and maintenance for 6V and 12V lead-acid batteries.
	Voltcraft VC-40.01.040 40A AC/DC Car Battery Charger User Manual User manual for the Voltcraft VC-40.01.040 AC/DC Car Battery Charger. Provides detailed information on safe operation, charging modes, technical specifications, and troubleshooting for this 40A intelligent battery charger.

	VOLTcraft USBC-60 USB-C Power Delivery Charger - 60W This user manual provides comprehensive information on the VOLTcraft USBC-60 USB charger with USB-C Power Delivery. It covers intended use, safety precautions, operating instructions, cleaning, disposal, and detailed technical specifications for reliable device charging.
	VOLTcraft USB-Ladegerät Bedienungsanleitung und Technische Daten Umfassende Bedienungsanleitung und technische Spezifikationen für VOLTcraft USB-Ladegeräte (20W, 25W, 30W) mit USB-C und USB-A Anschlüssen, inklusive Sicherheitshinweisen und Entsorgungsinformationen.
	VOLTcraft VC-CJS10 1200A Jump Starter and Power Bank User Manual User manual for the VOLTcraft VC-CJS10 1200A jump starter and power bank. Learn about its features, intended use, safety instructions, operation, and technical specifications for jump-starting vehicles and charging devices.
	VOLTcraft USB GaN Chargers - User Manual and Technical Specifications Comprehensive user manual and technical specifications for VOLTcraft USB GaN chargers (20W, 25W, 30W, 45W, 65W). Includes safety, usage, and detailed model data from Conrad Electronic SE.

Documents - VOLTcraft – MW3310HC



[pdf] User Manual

237739 an 01 cz Modelarska nabijacka MW3310HC Docekal Frantisek manual voltcraft mw6168v scale model battery charger 220 v 1 a nicd nimh asset conrad media10 add 160267 c1 cs 000237739ML01 Modelsk nabijacka **MW3310HC** Obj. c.: 23 77 39 Vzen zkaznku, dkujeme Vm za Vasi dvru a za nkup modelsk nabijacky. Tento nvod k obsluze je soucst vrobku. Obsahuje dlezit pokyny k uveden pstroje do provozu a k jeho obsluze. Jestlize vrobek pedte jinm osobm, dbejte na to, abyste jim odevzdali i tento nvod....

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KONFORMITÄTSERKLÄRUNG
DECLARATION OF CONFORMITY

Conrad Electronic SE
Hansastraße 50, 1
D-62700 Wiesbaden

Erklärt, dass das/der Produkt(e)
folgendes, hier für angegeben

Modell Nr. Order No.	Bezeichnung Description	Modell Nr. Model No.
237851	VOLT-CRAFT 230 Volt LADGERÄT 2A	MW3310HC

konform ist (sind) mit folgenden Richtlinien, Normen und/oder Verordnungen:
is (are) in conformity with following directives, norms and/or regulations:

EMV Richtlinie 2004/108/EG / EMC directive 2004/108/EC
EN 55034-1:2008 +A1:2009 +A2:2011
EN 55035-2:2006 +A1:2009 +A2:2011
EN 55035-3:2008
EN 55035-4:2008 +A1:2009 +A2:2011

LVD Richtlinie 2006/95/EG / LVD directive 2006/95/EC
EN 60335-1:2012
EN 60335-2-29:2006 +A2:2011
EN 60335-2-29:2006

RoHS Richtlinie 2011/65/EU / RoHS directive 2011/65/EU

CE Zeichen auf dem Produkt / CE marking on product

CE

15021001_16.05.2014

Conrad Electronic SE
Hansastraße 50
D-62700 Wiesbaden
Geschäftsbereich Vertrieb
Autorisiertes Konformitäts-Zertifikat

[pdf] Declaration of Conformity

Conrad Electronic SEVOLT-CRAFT 230 V AC LADGERÄT 2A Modell Nr Model No MW3310HC konform
ist sind mit folgenden Richtlinien Normen und oder Verordnungen is are in declaration de conformite

237851 chargeur modelisme 220 v 2 a voltcraft mw3310hc nicd nimhasset conrad media10 add 160267

c1 000237851CC01 declaration nimh |||

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