

NOCO GENPRO10X1

NOCO Genius GENPRO10X1

1-BANK, 10A ONBOARD BATTERY CHARGER INSTRUCTION MANUAL

Model: GENPRO10X1

1. Product Overview

The NOCO GENPRO10X1 is a fully-sealed, waterproof onboard battery charger designed for a single 12-volt battery, delivering 10 amps. It is suitable for charging and maintaining various battery types, including lead-acid (flooded, AGM, gel) and lithium-ion (LiFePO₄) batteries. This re-engineered charger is 27% smaller and offers 19% more power than its predecessor, making it a compact and powerful solution for marine and outdoor environments.

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Video Description: An official product overview video showcasing the NOCO Genius GENPRO10X1 charger, highlighting its compact design, waterproof features, and versatile charging capabilities for marine applications.

2. Package Contents

- GENPRO10X1 10A 1-Bank Smart Waterproof Onboard Marine Battery Charger and Battery Maintainer (120-240VAC)
- Onboard Marine Battery Charger User Guide
- (2) Black Truss-Head Screws

3. Key Features

- **Compact and Powerful:** 41% smaller and 33% more powerful than the GEN1, engineered for harsh marine environments.
- **Single Bank Charging:** Rated at 10 amps for a single 12V battery, ideal for marine, boat, starter, and deep-cycle systems.
- **Versatile Charging Modes:** Selectable modes for 12V, 12V AGM, 12V Lithium, and 12V Repair Mode, allowing precise charging for various battery chemistries.
- **Precision Charging:** Integrated thermal sensor automatically adjusts charging based on ambient temperature to prevent overcharging or undercharging.
- **Dead Battery Recovery:** Can charge batteries as low as 1 volt, with a Force Mode to manually initiate charging for deeply discharged batteries down to zero volts.

- **Redefined Mounting:** Simplified system for fast, secure installation in any orientation, featuring an anti-vibration backing.
- **Waterproof Design:** Fully-sealed, IP68 rated for waterproof protection, tested to withstand thousands of hours underwater.
- **Automatic Operation:** Provides year-round, all-season, all-weather charging with zero overcharge, automatically returning to its last selected mode.

4. Setup and Installation

The GENPRO10X1 is designed for easy and secure installation. It includes 72-inch DC cables with 3/8-inch eyelets and a 72-inch AC cable (Type-B). The redesigned mounting system allows for installation in any orientation, including upside down, and features an anti-vibration backing to minimize shock and noise.

1. **Choose a Mounting Location:** Select a secure, dry location within your marine vessel or vehicle. The charger's IP68 rating ensures protection against water, but proper ventilation is always recommended.
2. **Secure the Charger:** Use the two included truss-head screws to firmly mount the charger. The anti-vibration backing helps to isolate shock and noise.
3. **Connect to Battery:** Attach the 3/8-inch eyelets of the DC cables to your 12V battery terminals. Ensure correct polarity: red to positive (+), black to negative (-).
4. **Connect to AC Power:** Plug the Type-B AC cable into a standard 120-240VAC outlet.

ON-BOARD CHARGER.

CHARGE 12V BATTERIES.



12V 10A
1 BANK 10A

AC Input
(Type B)
120-240VAC
50-60Hz

ON-BOARD.
Direct-mount charging for a variety of applications.

CHEMISTRIES.
Flooded, gel, maintenance-free, and AGM batteries, plus lithium.

TYPES.
Starter, deep-cycle, marine, and more.

Image Description: The NOCO Genius GENPRO10X1 charger is shown installed in a boat's battery compartment, connected to a deep cycle battery. This illustrates the compact size and on-board installation capability.

WATERPROOF. FULLY-SEALED CHARGING.

RATED TO IP68.

Designed to withstand hours underwater.

100% WATERPROOF.

On-board charger designed to survive extreme conditions.



Image Description: The NOCO Genius GENPRO10X1 charger is depicted being splashed with water, emphasizing its IP68 waterproof rating and suitability for marine environments.

5. Operating Instructions

The GENPRO10X1 features selectable charging modes to optimize performance for nearly any battery chemistry or condition. The charger automatically detects ambient temperature and adjusts the charge cycle accordingly.

1. **Power On:** Once connected to the battery and AC power, the charger will automatically begin its diagnostic and charging process.
2. **Select Charging Mode:** Press the 'MODE' button to cycle through the available charging modes:
 - **12V:** For 12V wet cell, gel, enhanced flooded, maintenance-free, and calcium batteries.
 - **12V AGM:** For 12V AGM batteries.
 - **12V Lithium:** For 12V lithium-ion batteries (LiFePO₄) with Battery Management Systems (BMS).
 - **12V Repair Mode:** Used to repair old, idle, damaged, stratified, or sulfated 12V lead-acid batteries.
3. **Force Mode (for Dead Batteries):** For batteries as low as zero volts, press and hold the 'MODE' button for approximately three (3) seconds to activate Force Mode. This allows manual charging to begin.
4. **Charging Indicators:** The charger features LED indicators to show the charging status and battery health. A

solid green light indicates a fully charged battery.



Image Description: An illustration detailing the various advanced charging modes available on the NOCO Genius GENPRO10X1, including 12V, 12V AGM, 12V Lithium, Repair Mode, and Force Mode, with descriptions of their applications.

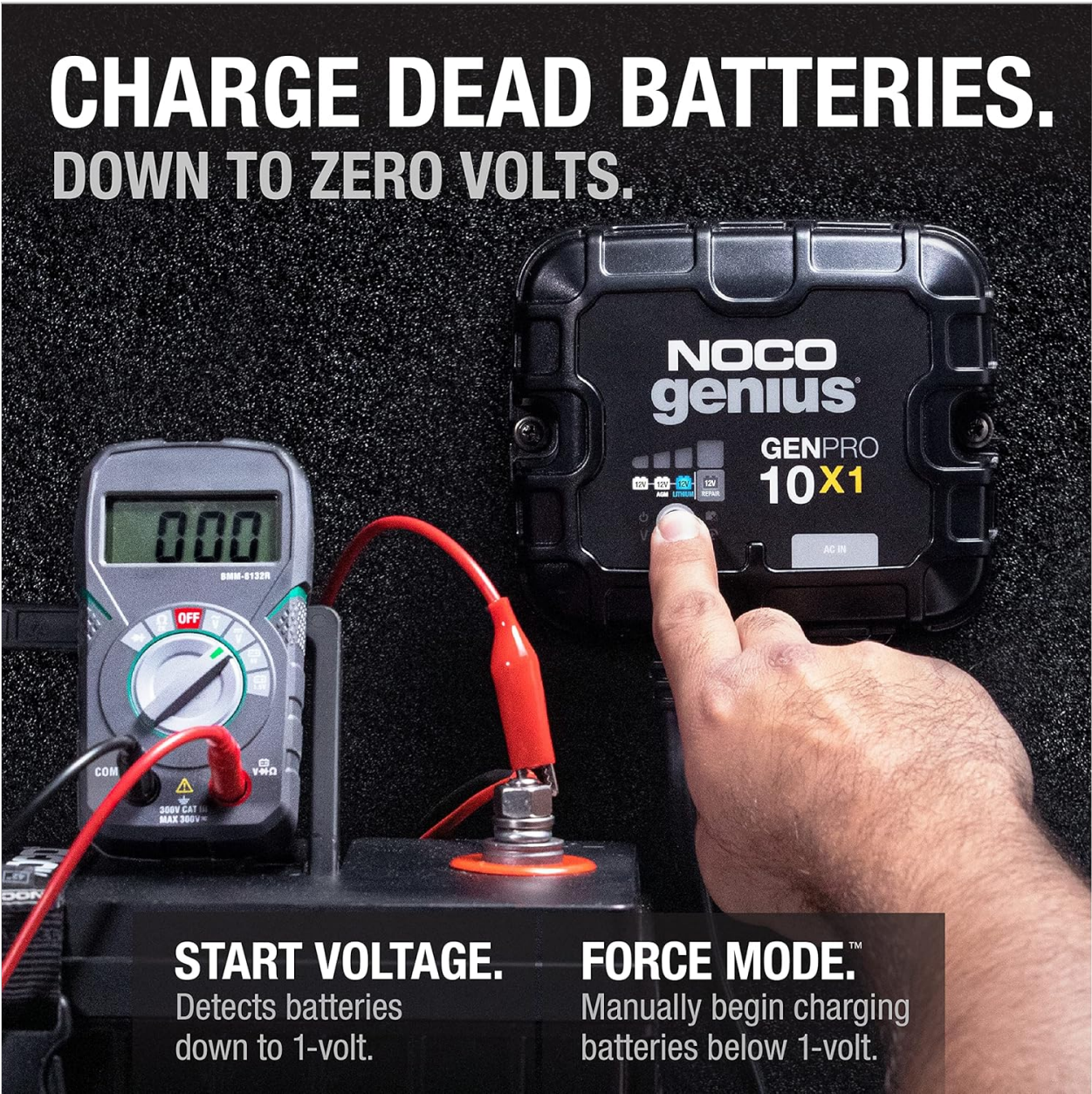


Image Description: A hand is shown pressing the 'MODE' button on the NOCO Genius GENPRO10X1 charger, demonstrating the activation of Force Mode to charge a deeply discharged battery, with a multimeter showing zero volts.

6. Maintenance

The GENPRO10X1 is designed to be a battery maintainer, ensuring optimal battery health over extended periods. It provides all-season, all-weather charging and automatically prevents overcharging. Simply leave it plugged in to keep your battery topped off and extend its lifespan.

- Regularly inspect the charger and cables for any signs of damage.
- Keep the charger clean and free from debris.
- Ensure proper ventilation around the charger, even though it is sealed.

A black NOCO Genius GENPRO10X1 battery maintainer is shown connected to a battery. The device has a digital display showing a green bar and the text '12V REPAIR'. The battery it is connected to has 'NOCO' written on it. The background is dark and textured.

COMPLETELY AUTOMATIC. WORRY-FREE BATTERY CHARGING.

YEAR-ROUND CHARGING. Provides all-season, all-weather, charging for a healthy battery.	ZERO OVERCHARGE. Leave plugged in 24/7 with no worries of overcharging.	AUTO MEMORY. Automatically returns to its last selected mode.
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Image Description: The NOCO Genius GENPRO10X1 is shown connected to a battery, illustrating its completely automatic, worry-free charging capabilities, including year-round charging, zero overcharge, and auto memory.

7. Troubleshooting

If you encounter issues with your GENPRO10X1 charger, please refer to the detailed user guide included in the package. Common issues and their solutions are typically covered there. Ensure all connections are secure and the correct charging mode is selected for your battery type.

8. Specifications

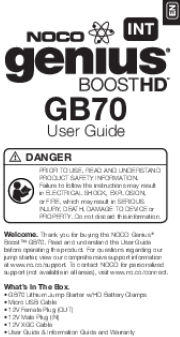


Product Dimensions	2.8 x 5.8 x 5.6 inches (7.62"D x 7.2"W x 6.1"H)
Item Weight	5.1 pounds
Model Number	GENPRO10X1
Output Voltage	12 Volts
Amperage	10A per bank (1-bank total)
Waterproof Rating	IP68
Certifications	UL1236, ISO 8846, 33 CFR 183.410 (Ignition Protection & Marine Safety)

9. Warranty and Support

The NOCO GENPRO10X1 is backed by a **3-year warranty**. For support or warranty claims, please refer to the contact information provided in your user guide or visit the official NOCO website. The product is engineered in the USA.

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Related Documents - GENPRO10X1

	<p>NOCO Genius Boost HD GB70 Lithium Jump Starter User Guide</p> <p>Comprehensive user guide for the NOCO Genius Boost HD GB70 lithium jump starter, featuring spark-proof technology, reverse polarity protection, USB power bank, and LED flashlight for high-displacement gas and diesel engines.</p>
	<p>NOCO Genius BOOST+ GB40 Portable Jump Starter User Guide</p> <p>This user guide and warranty provides essential safety information, operating instructions, troubleshooting tips, and technical specifications for the NOCO Genius BOOST+ GB40 12V 1000A portable lithium jump starter, designed for 12-volt lead-acid batteries.</p>
	<p>NOCO Genius Multi-Bank Series Battery Charger User Guide & Warranty</p> <p>Comprehensive user guide and warranty information for NOCO Genius Multi-Bank Series battery chargers (GENIUS2X2, GENIUS2X4), covering safety, charging modes, technical specifications, and warranty details.</p>



[NOCO GENPRO Series On-Board Battery Charger User Guide & Warranty](#)

The NOCO GENPRO Series on-board battery charger offers innovative and advanced technology for charging 12V lead-acid (Wet, Gel, MF, CA, EFB, AGM) and 12V Lithium (LiFePO4) batteries up to 230 Amp-Hours. This user guide provides comprehensive safety warnings, detailed charging modes (Standby, 12V, 12V AGM, 12V LITHIUM, 12V REPAIR, Force Mode), connection instructions, charging times, LED indicators, technical specifications, and warranty information for the GENPRO10X1, GENPRO10X2, GENPRO10X3, and GENPRO10X4 models.



[NOCO GB40 BOOST PLUS Jump Starter User Guide](#)

This document provides essential information for the NOCO GB40 BOOST PLUS 1000 Amp 12-Volt UltraSafe Lithium Jump Starter. It covers critical safety warnings, detailed operating instructions, troubleshooting tips, technical specifications, and warranty details to ensure safe and effective use of the device.



[NOCO Genius GEN3 30A 12V 3 Bank On-Board Battery Charger](#)

Detailed information on the NOCO Genius GEN3 30A 12V 3 Bank On-Board Battery Charger, featuring its capabilities, technical specifications, LED indicators, and what's included. Suitable for marine, RV, powersport, and lawn & garden applications.