

## FirstPower Pro 10X3 30A

# FirstPower Pro 10X3 Marine Battery Charger User Manual

Model: 10X3 30A  
Brand: FirstPower Pro

## 1. INTRODUCTION

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The FirstPower Pro 10X3 is a 3-bank, 30A (10A per bank) smart marine battery charger designed for charging and maintaining 12-volt lead-acid and lithium-ion batteries. This includes flooded, gel, AGM, lithium (LiFePO<sub>4</sub>), calcium, and deep-cycle batteries. Each bank provides up to 10 amps of charging power and functions as a battery maintainer and desulfator. This manual provides essential information for the safe and effective operation of your charger.



Image: The FirstPower Pro 10X3 Marine Charger, a compact and rugged unit with three independent charging banks.

## 2. IMPORTANT SAFETY INFORMATION

Read all instructions and safety warnings before using this product. Failure to follow these instructions may result in electric shock, fire, or serious injury.

- **Electrical Safety:** Always connect the charger to a grounded outlet. Do not expose the charger to rain or wet conditions. Do not operate the charger if it has received a sharp blow, been dropped, or otherwise damaged.
- **Battery Safety:** Batteries can generate explosive gases. Ensure adequate ventilation when charging. Avoid open flames or sparks near batteries. Wear eye protection and protective clothing when working with batteries.
- **Connection:** Ensure correct polarity when connecting to batteries. Connect the positive (+) charger clamp to the positive (+) battery terminal and the negative (-) charger clamp to the negative (-) battery terminal.

- **Children:** Keep the charger and batteries out of reach of children.
- **Maintenance:** Do not attempt to disassemble or repair the charger. Refer all servicing to qualified personnel.

### 3. PACKAGE CONTENTS

Verify that all items listed below are included in your package:

- 1x FirstPower Pro 10X3 30A (10A/Bank) IP68 Waterproof Onboard Marine Battery Charger (120-240VAC)
- 3x Battery clips
- 3x Battery connectors
- 3x Spare fuses
- 4x Screws
- 1x Portable Bag
- 1x User Manual



Image: A visual representation of the FirstPower Pro 10X3 charger and its included accessories, such as battery clips,

## 4. PRODUCT FEATURES

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The FirstPower Pro 10X3 charger offers advanced features for reliable battery charging and maintenance:

- **3-Bank, 10A Per Bank:** Charges and maintains up to three 12V batteries simultaneously.
- **Multi-Battery Compatibility:** Supports SLA/AGM, Lithium (LiFePO4), and Calcium 12V batteries.
- **IP68 Waterproof:** Fully-sealed design for use in marine and harsh environments, rated to withstand hours underwater.
- **Force Mode:** Allows manual initiation of charging for batteries with voltage below 1V.
- **Auto Repair Mode:** Automatically detects and repairs old, idle, damaged, stratified, or sulfated 12V batteries.
- **Advanced Diagnostics:** Provides indicators for Over Voltage, Bad Battery, Over Temperature, and Reverse Connection.
- **Precision Charging:** Integrated thermal sensor adjusts charging based on ambient temperature to prevent over-charging or under-charging.
- **5-Grid Power Display:** Indicates charge level at 20%, 40%, 60%, 80%, and 100%.

# 12V 3 BANK BANK CHARGER

**12V 30A**

3 BANK | 10A | 10A | 10A

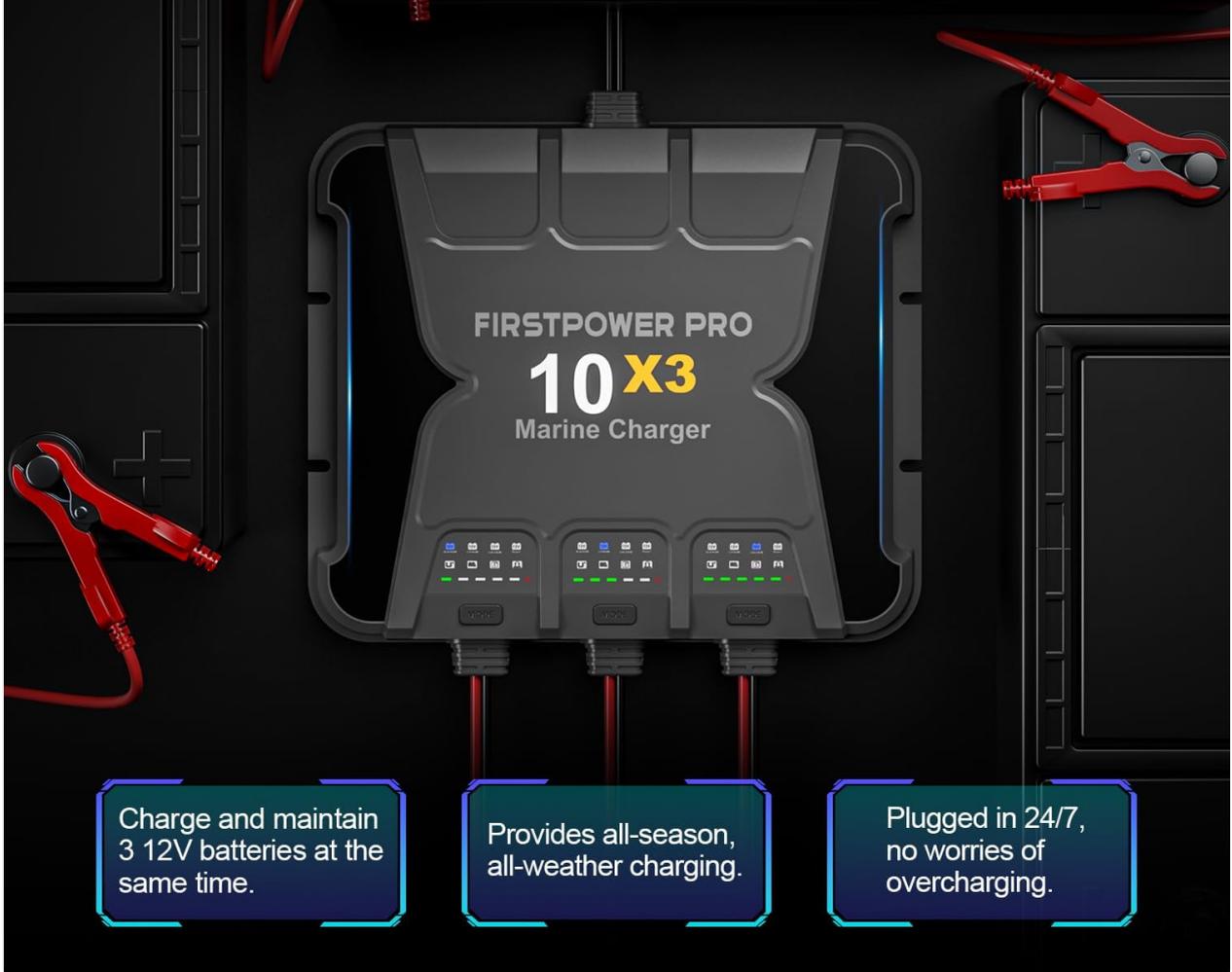


Image: An overview of the FirstPower Pro 10X3 charger highlighting its 3-bank, 10A per bank capability, and its ability to charge and maintain three 12V batteries simultaneously in all-season, all-weather conditions without overcharging.

# IP68 Waterproof Fully-sealed Charging



Image: The FirstPower Pro 10X3 charger submerged in water, illustrating its IP68 waterproof rating, designed to withstand hours underwater and survive extreme conditions.

## 5. SETUP AND INSTALLATION

The FirstPower Pro 10X3 is an onboard charger designed for permanent installation. Ensure the mounting location is secure, well-ventilated, and allows for cable routing.

1. **Mounting:** Use the provided screws to securely mount the charger in a suitable location on your boat or vehicle.
2. **Battery Connection:** Connect the output cables from each bank to its respective 12V battery. Ensure correct polarity: red to positive (+), black to negative (-). You can use the provided battery clips or permanent battery connectors.
3. **AC Power Connection:** Plug the charger's input cable into a standard 120-240VAC grounded electrical outlet.

# PLUGGED IN 24/7 WHILE STORING THE BOAT

Suit for Humid, High-salt Environments



## Charge for 12V Boat & Vehicle Batteries (30-300Ah)



Boat Marine



Fishing Boat



RV



Car

Image: The FirstPower Pro 10X3 charger installed in a boat, demonstrating its suitability for humid, high-salt environments and its ability to charge 12V boat and vehicle batteries (30-300Ah) while stored.

## 6. OPERATING INSTRUCTIONS

Once properly installed and connected, the charger will begin its operation. Each bank operates independently.

### 6.1. Selecting Charging Modes

The charger supports three distinct charging modes. Each bank can independently select its mode.

- **12V SLA/AGM:** For 12V wet cell, gel, enhanced flooded, maintenance-free, and AGM batteries.
- **12V LITHIUM:** For 12V lithium-ion (LiFePO4) batteries.
- **12V CALCIUM:** For 12V calcium batteries.

To select a mode for a specific bank, press the "MODE" button located below that bank's indicator lights. The charger will automatically return to the last selected mode for each bank upon subsequent power-ups.

# Charges 3 Types of 12V Batteries

Automatically returns to last selected mode



Image: The FirstPower Pro 10X3 charger displaying its three charging modes: 12V SLA/AGM, 12V LITHIUM, and 12V CALCIUM. Each mode is selected via a dedicated 'MODE' button for each bank.

## 6.2. Force Mode (Charging Dead Batteries)

If a battery's voltage is extremely low (below 1V), the charger may not automatically detect it. To manually initiate charging for such a battery:

- Connect the charger to the dead battery.
- Press and hold the "MODE" button for the corresponding bank for 5 seconds. This will force the charger to begin charging.

# Force Mode, Charge Dead Batteries



Image: The FirstPower Pro 10X3 charger demonstrating its 'Force Mode' feature, which allows users to manually initiate charging for batteries detected down to 0-Volt by pressing and holding the 'MODE' button.

## 6.3. Auto Repair Mode

The charger features an automatic repair function for 12V batteries that are old, idle, damaged, stratified, or sulfated. When the "12V Repair" light is illuminated, the charger is automatically performing a repair cycle. No manual operation is required for this mode.

# Auto Repair Mode

Used for repair old, idle, damaged, stratified, or sulfated 12V batteries



Image: The FirstPower Pro 10X3 charger illustrating its 'Auto Repair Mode' for 12V SLA/AGM, Lithium, and Calcium batteries, indicated by a green 'Repair' light.

## 6.4. Power Display

The charger features a 5-grid power display for each bank, indicating the approximate charge level of the connected battery:

- One light: 0-20%
- Two lights: 20-40%
- Three lights: 40-60%
- Four lights: 60-80%
- Five lights: 80-100% (Fully Charged)

## 7. MAINTENANCE

Proper maintenance ensures the longevity and optimal performance of your charger.

- **Cleaning:** Disconnect the charger from AC power and batteries before cleaning. Use a dry cloth to wipe the exterior. Do not use harsh chemicals or abrasives.

- **Inspection:** Regularly inspect the charger, cables, and connectors for any signs of damage, wear, or corrosion. Replace damaged components immediately.
- **Storage:** When not in use, store the charger in a cool, dry place.

## 8. TROUBLESHOOTING AND ADVANCED DIAGNOSTICS

The FirstPower Pro 10X3 includes advanced diagnostic indicators to help identify potential issues:

- **Over Voltage:** If the Over Voltage indicator illuminates, check if the battery is 12V and if the correct charging mode is selected.
- **Bad Battery:** If the Bad Battery indicator illuminates, the battery may be shorted or not charging. Have the battery checked by a professional.
- **Over Temperature:** The charger will stop charging if its internal temperature reaches 100°C. Charging will automatically restart once the unit cools down naturally.
- **Reverse Connection:** If the Reverse Connection indicator illuminates, the positive and negative polarity of the battery clip are reversed. Correct the connection: Red (+) to positive, Black (-) to negative.



Image: The FirstPower Pro 10X3 charger's display showing indicators for Advanced Diagnostics, including Over Voltage, Bad

## 9. SPECIFICATIONS

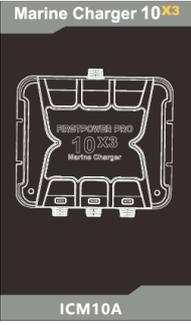
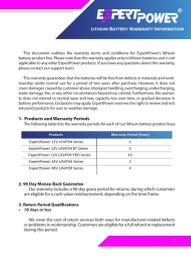
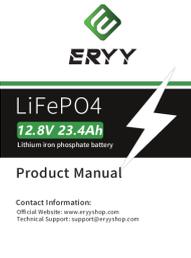
<b>Brand</b>	FirstPower Pro
<b>Model Number</b>	10X3 30A
<b>Input Voltage</b>	120-240 Volts (AC)
<b>Output Voltage</b>	12 Volts
<b>Current Rating</b>	30 Amps (10A per bank)
<b>Product Dimensions</b>	37.59 x 32.26 x 14.73 cm
<b>Weight</b>	5.24 kg
<b>Waterproof Rating</b>	IP68
<b>Supported Battery Types</b>	SLA/AGM, Lithium (LiFePO4), Calcium

## 10. WARRANTY AND SUPPORT

The FirstPower Pro 10X3 Marine Battery Charger comes with a **3-year warranty** from the date of purchase. This warranty covers defects in materials and workmanship under normal use. For warranty claims, technical support, or any questions regarding your product, please refer to the contact information provided with your purchase documentation or visit the official FirstPower Pro website.

### Related Documents - 10X3 30A

	<p><a href="#">FirstPower Pro 10x3 Marine Charger User Manual</a></p> <p>This document provides comprehensive safety instructions, basic parameters, connection guides, and troubleshooting information for the FirstPower Pro 10x3 Marine Charger. Learn about its features, modes, and specifications for optimal battery charging.</p>
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	<p><a href="#">FirstPower Pro 10x3 Marine Charger User Manual</a></p> <p>This document provides comprehensive safety instructions, basic parameters, connection guides, and troubleshooting information for the FirstPower Pro 10x3 Marine Charger. Learn about its features, modes, and specifications for optimal battery charging.</p>
	<p><a href="#">WattCycle 12V LiFePO4 Deep Cycle Battery User Manual</a></p> <p>Comprehensive user manual for WattCycle 12V LiFePO4 deep cycle batteries, covering features, specifications, installation, charging, BMS functions, warranty, and troubleshooting. Includes detailed product information and best practices.</p>
	<p><a href="#">ExpertPower Lithium Battery Warranty Information and Terms</a></p> <p>Detailed warranty terms and conditions for ExpertPower's lithium battery product line, including warranty periods, return policies, RMA guidelines, and exclusions.</p>
	<p><a href="#">ERYYY 12.8V 23.4Ah LiFePO4 Battery Product Manual</a></p> <p>Comprehensive product manual for the ERYYY 12.8V 23.4Ah LiFePO4 (Lithium Iron Phosphate) battery, covering specifications, safety, installation, charging, and troubleshooting. Includes technical details, connection guides, and performance data.</p>
	<p><a href="#">Fogstar Drift PRO Gen2 12V 230Ah Lithium Battery - Technical Specifications and User Guide</a></p> <p>Comprehensive technical specifications, features, safety guidelines, storage recommendations, charging procedures, warranty details, and connectivity information for the Fogstar Drift PRO Gen2 12V 230Ah Lithium Iron Phosphate (LiFePO4) battery.</p>