

Projecta PJ-AC015-2

Projecta PJ-AC015-2 Charge N' Maintain 12V Battery Charger User Manual

Model: PJ-AC015-2

1. INTRODUCTION

This manual provides essential instructions for the safe and effective use of your Projecta PJ-AC015-2 Charge N' Maintain 12V Battery Charger. This automatic charger is designed for maintaining and charging 12V automotive and marine batteries. Please read this manual thoroughly before operation and retain it for future reference.

2. SAFETY INFORMATION

- Always ensure proper ventilation when charging batteries.
- Avoid open flames or sparks near the battery during charging.
- Wear eye protection and gloves when handling batteries.
- The charger is spark-free and polarity protected, but always connect the positive (+) clamp to the positive (+) battery terminal and the negative (-) clamp to the negative (-) battery terminal or vehicle chassis away from the battery.
- Do not attempt to charge frozen or damaged batteries.
- Keep the charger away from water and moisture.
- Disconnect the AC power before making or breaking battery connections.

3. PACKAGE CONTENTS

Verify that all items are present in your package:

- Projecta PJ-AC015-2 12V Battery Charger
- Battery Clamps (Red for positive, Black for negative)
- Fused Wiring Harness with Ring Terminals (for permanent installation)
- 3-meter Extension Cable



Image 1: The Projecta PJ-AC015-2 battery charger shown with all included accessories, including the main charger unit, battery clamps, and the fused wiring harness.

4. PRODUCT FEATURES

- **Fully Automatic Operation:** Connect and leave without risk of overcharging.
- **Four-Stage Charging:** Optimizes charging for battery health and longevity.
- **Spark-Free and Polarity Protected:** Enhances safety during connection and operation.
- **Fused Wiring Harness:** Provides a quick-connect option for permanent installation.
- **Versatile Use:** Suitable for automotive and marine 12V batteries.

5. SETUP AND CONNECTION

1. **Prepare the Battery:** Ensure the battery terminals are clean and free of corrosion. If the battery is in a vehicle, ensure the vehicle is turned off.
2. **Choose Connection Method:**
 - **Using Battery Clamps:** Connect the red (+) clamp to the positive (+) battery terminal and the black (-) clamp to the negative (-) battery terminal. If connecting to a vehicle battery, connect the black (-) clamp to the vehicle chassis away from the battery.
 - **Using Fused Wiring Harness (Permanent Installation):** Attach the red ring terminal to the positive (+) battery post and the black ring terminal to the negative (-) battery post. Ensure connections are secure. This harness allows for quick connection and disconnection of the charger.



Image 2: The fused wiring harness with ring terminals, designed for permanent connection to a battery, featuring an inline fuse for protection.



Image 3: Close-up view of the red (positive) and black (negative) battery clamps, used for temporary connections to battery terminals.

3. **Connect Charger to Battery:** Plug the chosen battery connector (clamps or harness) into the charger's output port.
4. **Connect to Power:** Plug the charger's AC power cord into a standard 120V AC wall outlet.



Image 4: The Projecta PJ-AC015-2 charger connected to a car battery within an engine bay, demonstrating a typical setup.

6. OPERATING INSTRUCTIONS

The Projecta PJ-AC015-2 is a fully automatic smart charger. Once connected to the battery and power, it will automatically detect the battery's state and initiate the appropriate charging stage.

- **Charging Stages:** The charger utilizes a 4-stage charging process to ensure optimal battery health and charge. These stages typically include Desulphation, Bulk Charge, Absorption, and Float/Maintenance.
- **Indicator Lights:** Refer to the indicator lights on the charger for status updates. A common light sequence indicates power, charging in progress, and fully charged/maintenance mode.
- **Maintenance Mode:** Once the battery is fully charged, the charger automatically switches to a maintenance (float) mode, keeping the battery at optimal charge without overcharging. This is ideal for long-term storage.



Image 5: Top view of the Projecta PJ-AC015-2 battery charger, showing its compact design, power plug, and connected battery clamps.

7. MAINTENANCE

- **Charger Care:** Keep the charger clean and dry. Store it in a cool, dry place when not in use. Do not immerse the charger in water.
- **Battery Care:** Regularly inspect battery terminals for corrosion and clean them as needed. Ensure battery fluid levels are correct for serviceable batteries.
- **Cable Inspection:** Periodically check the charging cables and connectors for any signs of damage or wear. Replace if necessary.

8. TROUBLESHOOTING

Problem	Possible Cause	Solution
Charger not turning on / No indicator lights	No AC power; Incorrect battery connection; Faulty outlet.	Check AC power connection and wall outlet. Ensure battery connections are secure and correct polarity.
Battery not charging	Battery deeply discharged; Damaged battery; Incorrect battery type.	Allow more time for deeply discharged batteries. Test battery condition. Ensure battery is a 12V lead-acid type.

Problem	Possible Cause	Solution
Charger gets warm	Normal operation during charging.	This is normal. Ensure adequate ventilation around the charger. If it becomes excessively hot, disconnect and contact support.

9. SPECIFICATIONS

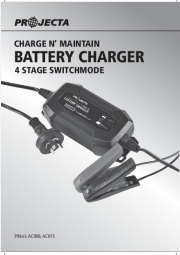
Feature	Detail
Model Number	PJ-AC015-2
Output Voltage	12 Volts (DC)
Charging Current	1.5 Amps
Product Dimensions	5.59"D x 2.28"W x 8.27"H (14.2 x 5.8 x 21 cm)
Item Weight	1.29 pounds (0.59 kg)
Manufacturer	Projecta
Features	Fully Automatic, 4-Stage Charging, Spark-Free, Polarity Protected

10. WARRANTY AND SUPPORT

For warranty information and customer support, please refer to the documentation included with your product packaging or visit the official Projecta website. Keep your proof of purchase for warranty claims.

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Related Documents - PJ-AC015-2

	<p>Projecta Charge N' Maintain 12V 4-Stage Switchmode Battery Charger (AC008, AC015) User Manual</p> <p>User manual for the Projecta Charge N' Maintain 12V 4-Stage Switchmode Battery Charger (models AC008 and AC015). This guide covers important safety information, detailed charging stages, product features, step-by-step connection instructions, technical specifications, product overview, frequently asked questions, and warranty details.</p>
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	<p>Projecta Intelli-Start PJ-IS1400-2 12V Lithium Jump Starter & Power Bank Owners Manual</p> <p>Comprehensive owners manual for the Projecta Intelli-Start PJ-IS1400-2, detailing its features, safety instructions, jump starting procedures, charging, and troubleshooting for this 12V lithium jump starter and portable power bank.</p>
	<p>Projecta SMART CHARGE Battery Charger SMC400 SMC800 User Manual</p> <p>User manual for Projecta SMART CHARGE 6 Stage Switchmode Battery Chargers (SMC400, SMC800). Learn about features, safety, charging instructions, specifications, and FAQs.</p>
	<p>Projecta Intelli-Start IS1400 12V Lithium Jump Starter and Power Bank User Manual</p> <p>Comprehensive user manual for the Projecta Intelli-Start IS1400, a 12V lithium jump starter and portable power bank. Covers safety, operation, charging, features, specifications, troubleshooting, and warranty.</p>
	<p>Projecta INTELLI-RV PM200 12V Power Management System User Manual</p> <p>This manual provides detailed information on the Projecta INTELLI-RV PM200 12V Power Management System, covering its features, installation, operation, safety guidelines, troubleshooting, and technical specifications for use in caravans and motor homes.</p>
	<p>Projecta Intelli-IQ Controller 2-Inch Smart Display IQD2 User Manual</p> <p>Comprehensive user manual for the Projecta Intelli-IQ Controller 2-Inch Smart Display (IQD2). Covers installation, features, specifications, application diagram, app usage, settings, troubleshooting, and warranty information.</p>