Clore Automotive PL6850

Clore Automotive PL6850 12/24 Volt 120A Flashing Power Supply and Fleet Battery Charger Instruction Manual

Model: PL6850 | Brand: Clore Automotive

1. Introduction

The Clore Automotive PL6850 is a versatile 12/24 Volt 120A unit designed for both stable power supply and multi-stage battery charging. It provides on-demand power for vehicle reprogramming and ADAS recalibration, ensuring stable system voltage. Additionally, it functions as a robust fleet service battery charger, capable of quickly and effectively charging various battery types.

2. Safety Information

- Always wear eye protection and protective clothing when working with batteries.
- Ensure adequate ventilation in the work area to prevent accumulation of explosive gases.
- Connect the charger to the battery terminals correctly: positive (+) to positive, negative (-) to negative. Avoid reverse polarity.
- Do not operate the charger if it is damaged or has been dropped.
- Keep the charger away from moisture and flammable materials.
- Refer to your vehicle's owner's manual for specific battery charging instructions.

3. Product Overview

The PL6850 features a robust design with intuitive controls and a clear display for monitoring charging status and voltage. It includes heavy-duty cables and clamps for secure connections.

Figure 1: Clore Automotive PL6850 12/24 Volt 120A Flashing Power Supply and Fleet Battery Charger. The unit is black with a digital display and control buttons on the front panel. Heavy-duty red and black cables with clamps are coiled next to the unit.

4. Setup

1. **Unpack the Unit:** Remove the PL6850 and all accessories from the packaging.
2. **Inspect for Damage:** Check the unit, cables, and clamps for any signs of damage. Do not use if damaged.
3. **Connect Power Clamps:** Ensure the heavy-duty cables and clamps are securely connected to the unit. The unit's design allows for convenient storage of cables and clamps.
4. **Connect to Power Outlet:** Plug the charger's power cord into a suitable 120V AC outlet.
5. **Connect to Battery:** Connect the red positive (+) clamp to the positive battery terminal and the black negative (-) clamp to the negative battery terminal. Ensure a secure connection.

5. Operating Modes

5.1. Power Supply Mode

The Power Supply mode is designed to provide stable voltage to a vehicle's electrical system, crucial for module reprogramming and ADAS recalibration. It delivers 0-120A (12V) or 0-60A (24V) on demand, maintaining a steady system voltage of 14.1 Volts with minimal ripple (<100mV). This mode features Rapid Load Response (RLR) technology.

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