

## Lincoln Electric 1870

# Lincoln Electric 1870 AC Charger Instruction Manual

Model: 1870

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## 1. SAFETY INFORMATION

Before operating the Lincoln Electric 1870 AC Charger, it is imperative to read and understand all safety warnings and instructions provided in this manual and on the underside of the charger unit. Failure to follow these instructions may result in electric shock, fire, or serious injury.

- Always ensure the charger is connected to a power source that matches the specified input voltage (240 Volts).
- Do not expose the charger to rain or wet conditions.
- Do not use the charger if the cord or plug is damaged.
- Do not attempt to disassemble or modify the charger. Refer all servicing to qualified personnel.
- Use only with Lincoln Electric 20V Lithium-ion batteries (Model 1871). Using other batteries may cause damage or injury.
- Keep children and unauthorized persons away from the charger during operation.
- Ensure adequate ventilation around the charger during use.

## 2. PRODUCT OVERVIEW

The Lincoln Electric 1870 AC Charger is designed to efficiently charge Lincoln Electric 20V Lithium-ion batteries, specifically Model 1871. These batteries are compatible with Lincoln Electric PowerLuber models 1882 and 1884. The charger provides a reliable power source for maintaining your battery's performance.



Figure 1: Lincoln Electric 1870 AC Charger. This image shows the black charger unit with its power cord connected, ready for use. The top surface features a slot for the battery and indicator lights.

## Key Features:

- Compatibility with Lincoln 20V Lithium-ion Battery (Model 1871).
- Designed for use with PowerLuber models 1882 and 1884.
- AC power input for standard wall outlets.
- Efficient charging time of approximately 1.5 hours.

## 3. SETUP

Follow these steps to set up your Lincoln Electric 1870 AC Charger:

1. **Unpack the Charger:** Carefully remove the charger from its packaging. Inspect the unit for any signs of damage. If damaged, do not use and contact customer support.
2. **Choose a Location:** Select a dry, well-ventilated area for charging. Ensure the surface is stable and clear of obstructions. Avoid direct sunlight or extreme temperatures.
3. **Connect to Power:** Plug the AC power cord into a standard 240V wall outlet. The charger's indicator light may illuminate briefly, indicating it is receiving power.
4. **Prepare Battery (Model 1871):** Ensure the 20V Lithium-ion battery (Model 1871) is clean and free of debris before inserting it into the charger.

## 4. OPERATING INSTRUCTIONS

To charge your Lincoln Electric 20V Lithium-ion battery (Model 1871) using the 1870 AC Charger:

1. **Insert Battery:** Align the 20V Lithium-ion battery (Model 1871) with the charging slot on the 1870 AC Charger. Gently slide the battery into the slot until it clicks securely into place.
2. **Monitor Charging Status:** The charger features indicator lights to show the charging status.
  - **Solid Green:** Battery fully charged.
  - **Flashing Green:** Battery is charging.
  - **Solid Red:** Charging error or battery fault. Remove battery and re-insert. If error persists, consult troubleshooting.
3. **Charging Time:** A fully depleted 20V Lithium-ion battery (Model 1871) typically takes approximately 1.5 hours to fully charge. Actual charging time may vary based on battery charge level and ambient temperature.
4. **Remove Battery:** Once the indicator light shows a solid green, the battery is fully charged. Press the release tab (if present) or gently pull the battery upwards to remove it from the charger.
5. **Unplug Charger:** When not in use, unplug the charger from the wall outlet to conserve energy and for safety.

## 5. MAINTENANCE

Proper maintenance ensures the longevity and safe operation of your charger.

- **Cleaning:** Disconnect the charger from the power source before cleaning. Use a soft, dry cloth to wipe down the exterior of the charger. Do not use abrasive cleaners or solvents.
- **Storage:** Store the charger in a dry, indoor location away from direct sunlight, moisture, and extreme temperatures.
- **Inspection:** Periodically inspect the power cord and charger housing for any signs of damage, such as cuts, fraying, or cracks. If damage is found, discontinue use and seek professional repair.
- **Battery Care:** For optimal battery life, avoid storing fully discharged batteries for extended periods. Charge batteries before long-term storage.

## 6. TROUBLESHOOTING

If you encounter issues with your Lincoln Electric 1870 AC Charger, refer to the table below for common problems and solutions.

Problem	Possible Cause	Solution
Charger indicator light does not illuminate.	No power to the charger.	Ensure the charger is securely plugged into a live 240V outlet. Check the circuit breaker or fuse for the outlet. Try a different outlet.
Battery not charging (flashing green light not active).	Battery not properly seated or battery fault.	Remove the battery and re-insert it, ensuring it clicks into place. Ensure the battery is a Lincoln Electric 20V Lithium-ion (Model 1871). If the battery is extremely hot or cold, allow it to reach room temperature before charging.

Problem	Possible Cause	Solution
Solid red indicator light.	Charging error or battery fault.	<p>Remove the battery, wait a few minutes, and re-insert.</p> <p>If the error persists, the battery may be faulty. Try charging a different compatible battery if available.</p> <p>If the charger itself is suspected to be faulty, discontinue use and contact customer support.</p>

If the problem persists after attempting these solutions, please contact Lincoln Electric customer support for further assistance.

## 7. SPECIFICATIONS

Feature	Detail
Model	1870
Brand	Lincoln Electric
Compatible Battery	Lincoln 20V Lithium-ion (Model 1871)
Input Voltage	240 Volts AC
Output Voltage	Designed for 20V Lithium-ion batteries
Charging Time	Approximately 1.5 Hours
Item Weight	1.3 pounds (0.59 kg)
Product Dimensions	9 x 3.95 x 11.4 inches (22.86 x 10.03 x 28.96 cm)
Color	Black

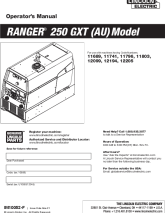





## 8. WARRANTY & SUPPORT

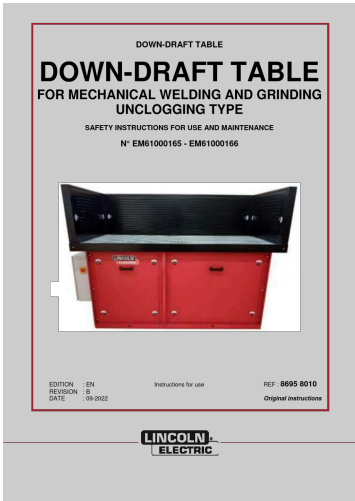
The Lincoln Electric 1870 AC Charger is covered by Lincoln Electric's standard product warranty. For specific warranty terms and conditions, please refer to the warranty card included with your purchase or visit the official Lincoln Electric website.

For technical support, service, or to inquire about replacement parts, please contact Lincoln Electric Customer Service:

- **Website:** [www.lincolnelectric.com](http://www.lincolnelectric.com)
- **Phone:** Refer to the contact information on the official website for your region.

When contacting support, please have your product model number (1870) and purchase date available.

	<p><a href="#">Lincoln Electric RANGER 250 GXT (AU) Operator's Manual</a></p> <p>Comprehensive operator's manual for the Lincoln Electric RANGER 250 GXT (AU) engine-driven welder/generator, covering installation, operation, maintenance, and safety precautions for models 11689, 11741, 11796, 11803, 12099, 12194, 12205.</p>
	<p><a href="#">BULLDOG TM5500 Operator's Manual - Lincoln Electric</a></p> <p>Comprehensive operator's manual for the Lincoln Electric BULLDOG TM5500 welder/generator. Covers safety precautions, installation, operation, maintenance, and troubleshooting for model number 11733.</p>
	<p><a href="#">YARDTEC® 300C STANDARD Operator's Manual</a></p> <p>Operator's manual for the YARDTEC® 300C STANDARD welding machine, covering technical specifications, safety, operation, maintenance, and accessories.</p>
	<p><a href="#">Operator's Manual LF-74 Wire Feeder</a></p> <p>This operator's manual provides essential safety precautions, installation guidelines, and operational information for the Lincoln Electric LF-74 Wire Feeder. It covers technical specifications, mounting options, and troubleshooting for this welding equipment.</p>
	<p><a href="#">Lincoln Electric INVERTEC 300TPX &amp; 400TPX Spare Parts</a></p> <p>This document provides a comprehensive list of spare parts for the Lincoln Electric INVERTEC 300TPX and 400TPX welding machines, including assembly diagrams and part numbers.</p>
	<p><a href="#">Lincoln Electric VANTAGE® 400 (AU) Operator's Manual</a></p> <p>Comprehensive operator's manual for the Lincoln Electric VANTAGE® 400 (AU) diesel engine driven welder/generator. Covers safety, installation, operation, maintenance, and troubleshooting. Essential reading before use.</p>



[pdf] User Manual Instructions Specifications Declaration of Conformity

8695 8010 steve legrand Lincoln AMSFMD Down Draft Welding Table With Fume Extraction Instruction Manual expressweldcare.co.uk 2024 10 |||

DOWN-DRAFT TABLE DOWN-DRAFT TABLE FOR MECHANICAL WELDING AND GRINDING UNCLOGGING TYPE SAFETY INSTRUC ... FMD TABLE

COMPOSITION The table is made up of the following : 1 Work surface size 1070 X 740 mm or **1870** x 740 mm Working height 920 mm. Max. load capacity of table : 200 kg. Lateral extraction pane...

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April 2021

If you have any questions regarding the approved lists, please contact the personification indicated.

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E.A.1

Virginia Department of Transportation Approved Materials List

Official Virginia Department of Transportation (VDOT) approved materials list, detailing specifications, manufacturers, and quality assurance programs for construction products used in VDOT projects.

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[pdf] Catalog

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## Comprehensive Calibration and Test Equipment Price List





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RB Auction Event Export Jan 15 2025 — 2024 Interstate Trailers 40DLA 20 ft T A Equipment Trailer S N

Quantity of Service Manuals Not Available Usage Asset Catalog Complete Dispersal Highway Company

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Page 1 of 126 Complete Dispersal Highway Equipment Company, MD - Jan 23, 2025

Lot # 1 2 3 4 Detail ... side Pin Boss Spacing Usage: Not Available Asset located in:

Burgettstown, PA Lot # 1867 1868 1869 **1870** 1871 1872 1873 Details 2021 Werk-

Brau SK45SR2 36 in Digging Excavator Bucket Unused S/N: 280...

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