

Ingco FCLI2001A

INGCO FCLI2001A 20V Fast Intelligent Charger User Manual

Model: FCLI2001A

1. INTRODUCTION AND OVERVIEW

This manual provides essential information for the safe and efficient operation of your INGCO FCLI2001A 20V Fast Intelligent Charger. Please read these instructions carefully before use and retain them for future reference.

The INGCO FCLI2001A is a 20V fast intelligent charger designed exclusively for INGCO 2.0Ah and 4.0Ah series batteries. It features advanced technology to ensure quick and safe charging, protecting your batteries from common issues.



A detailed view of the INGCO FCLI2001A 20V Fast Intelligent Charger, showcasing its compact design and LED indicator panel.

2. SAFETY INSTRUCTIONS

Always observe basic safety precautions when using electrical appliances to reduce the risk of fire, electric shock, and personal injury.

- **Indoor Use Only:** This charger is designed for indoor use in dry conditions. Do not expose it to rain or wet conditions.
- **Correct Voltage:** Ensure the power supply voltage matches the rating specified on the charger.
- **Avoid Damage:** Do not operate the charger if the cord or plug is damaged. If the charger has been dropped or damaged, have it inspected by a qualified service person.
- **Ventilation:** Ensure adequate ventilation around the charger during operation. Do not cover the charger.
- **Battery Compatibility:** Only charge INGCO 20V Li-ion batteries with this charger. Attempting to charge other types of batteries may cause personal injury and damage.
- **Keep Away from Children:** Store the charger and batteries out of reach of children.
- **Disconnect Power:** Always disconnect the charger from the power outlet before cleaning or when not in use.
- **No Disassembly:** Do not attempt to disassemble the charger. Refer all servicing to qualified service personnel.

3. PRODUCT FEATURES

The INGCO FCLI2001A charger incorporates several features designed for optimal battery charging and protection:

- **Fast Charging:** Capable of charging 2.0Ah batteries in 1 hour and 4.0Ah batteries in 2 hours.
- **Intelligent Charging:** Monitors battery status for efficient and safe charging.
- **No Memory Effect:** Allows batteries to be charged before they are fully discharged without affecting battery life.
- **Comprehensive Battery Protection:** Protects the battery from damages due to over-discharge, high temperature, or overload.
- **Trickle Charging Technology:** Enables reactivation of INGCO lithium-ion batteries from an over-discharged state.
- **LED Indicator:** Provides clear visual feedback on charging status and potential issues.



OVER-VOLTAGE PROTECTION



OVER-CURRENT PROTECTION



OVER-TEMPERATURE PROTECTION



CHARGE PROTECTION

Graphic highlighting the four key protection features of the INGCO charger: over-voltage, over-current, over-temperature, and general charge protection, ensuring battery safety.

4. SETUP

- Unpack:** Carefully remove the charger from its packaging. Inspect for any signs of damage.
- Placement:** Place the charger on a stable, flat, and dry surface, away from direct sunlight and heat sources. Ensure there is adequate ventilation.
- Connect to Power:** Plug the charger's power cord into a standard electrical outlet (110V-240V~50/60Hz). The LED indicator may briefly illuminate.

5. OPERATING INSTRUCTIONS

Charging a Battery

- Insert Battery:** Slide the INGCO 20V Li-ion battery pack firmly into the charger's slot until it clicks into place.
- Monitor LED Indicator:** The charger's LED indicator will show the charging status.
- Charging Complete:** Once the battery is fully charged, the LED indicator will change to a solid green

light.

4. **Remove Battery:** Press the battery release button (if applicable) and slide the battery out of the charger.
5. **Disconnect Charger:** Unplug the charger from the power outlet when not in use.

Approximate Charging Times

- 20V 2.0Ah Battery: Approximately 1 hour
- 20V 4.0Ah Battery: Approximately 2 hours



Visual representation of the INGCO charger's performance, indicating that a 20V 2.0Ah battery charges in 1 hour and a 20V 4.0Ah battery charges in 2 hours.

POWER INDICATOR FAST CHARGE: 2 HOURS CHARGE COMPLETE



Diagram illustrating the INGCO charger connected to a 20V 4.0Ah Li-ion battery, with a power indicator showing the charging progress and indicating a 2-hour charge completion time.

6. MAINTENANCE

- Cleaning:** Disconnect the charger from the power supply. Use a soft, dry cloth to wipe the exterior of the charger. Do not use abrasive cleaners or solvents.
- Storage:** Store the charger in a dry, cool place, away from direct sunlight and moisture.
- Cord Care:** Regularly inspect the power cord for any damage. Do not wrap the cord tightly around the charger.

7. TROUBLESHOOTING

Refer to the LED indicator for diagnostic information:

LED Indicator	Status	Action

LED Indicator	Status	Action
Flashing Green	Charging	Normal operation. Wait for charging to complete.
Solid Green	Fully Charged	Battery is ready for use. Remove from charger.
Red Flashing	Temperature is too High	Allow the battery and/or charger to cool down in a well-ventilated area. Charging will resume automatically once the temperature is within the safe range.
Solid Red	Battery Pack Failure	The battery pack may be faulty or severely over-discharged. Try another battery. If the issue persists, contact customer support.

Intelligent Charger

💡 Flashing green: charging

- Green Light Long: Fully charged
- Red Flashing: Temperature is too High
- Red Light Long: Battery Pack Failure



Close-up view of the INGCO charger's LED indicators, explaining different light patterns for charging status and errors.

8. SPECIFICATIONS

Parameter	Value
Model Number	FCLI2001A
Brand	Ingco
Rated Input Voltage	110V-240V~50/60Hz
Output Voltage	20 Volts
Charge Current	2A
Rated Input Power	50W
Product Dimensions	5.75 x 4.02 x 3.62 inches (14.6 x 10.2 x 9.2 cm)
Item Weight	14.9 ounces (422.4 grams)
Specification Met	FCC

Parameter Information

Rated Input voltage:110V-240V~50/60Hz

Output voltage : 20V

Charge current : 2A

Rated Input power : 50W

Charges 20V 2.0Ah battery in 1Hr
Charges 20V 4.0Ah battery in 2Hr

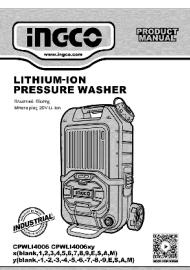
Packed by color box



Image displaying the technical specifications of the INGCO FCLI2001A charger.

9. WARRANTY AND SUPPORT

For warranty information, technical support, or service inquiries, please refer to the official INGCO website or contact your local INGCO dealer. Keep your purchase receipt as proof of purchase for any warranty claims.

 <p>INGCO CIDLI20602: Οδηγός Χρήσης για Δραπανοκατσάβιδο Μπαταρίας 20V Li-Ion</p>	<p>Ανακαλύψτε πώς να χρησιμοποιείτε με ασφάλεια και αποτελεσματικά το δραπανοκατσάβιδο μπαταρίας INGCO 20V Li-Ion (μοντέλα CIDLI20602, UCIDL20602, CIDLI206021, κ.α.). Ο πλήρης οδηγός περιλαμβάνει οδηγίες ασφαλεψίας, λειτουργίας, τεχνικές προδιαγραφές και συντήρηση.</p>
 <p>INGCO 20V Li-Ion Vacuum Cleaner Product Manual</p>	<p>Official product manual for the INGCO 20V Li-Ion Cordless Vacuum Cleaner (Model series CVLI20126, UCVLI20126, CVLI20126xy, UCVLI20126xy). This guide provides comprehensive safety instructions, operation procedures, technical specifications, troubleshooting tips, maintenance guidelines, warranty information, and EC Declaration of Conformity.</p>
 <p>INGCO Cordless Lithium-Ion Impact Wrench CIWLI2085xy - Product Manual & Safety Guide</p>	<p>Comprehensive product manual for the INGCO 20V Li-Ion Cordless Impact Wrench (CIWLI2085xy). Includes safety instructions, technical specifications, operation guide, troubleshooting, and warranty information.</p>
 <p>INGCO CPWLI4006 Lithium-Ion Pressure Washer User Manual</p>	<p>This comprehensive user manual provides detailed instructions for operating, maintaining, and troubleshooting the INGCO CPWLI4006 Lithium-Ion Pressure Washer. It covers safety precautions, assembly, usage, technical specifications, and warranty information.</p>
 <p>INGCO Lithium-Ion Rotary Hammer 20V - CRHLI202289 User Manual</p>	<p>Comprehensive user manual for the INGCO 20V Lithium-Ion Rotary Hammer (models CRHLI202289, UCRHLI202289). Includes safety instructions, operation guide, technical specifications, and maintenance tips.</p>
 <p>INGCO Cordless Work Lamp CWL2088 Product Manual</p>	<p>Official product manual for the INGCO Cordless Work Lamp (CWL2088 series), detailing safety instructions, battery care, technical specifications, operation, warranty, and environmental information.</p>