

INGCO FCLI2012

INGCO 20V 2.0A Car Battery Charger FCLI2012 Instruction Manual

INTRODUCTION

The INGCO 20 Volt 2.0 Ampere car battery charger (Model FCLI2012) is an essential accessory for professionals and DIY enthusiasts who rely on cordless power tools. This versatile charger is specifically designed to keep your 20V battery-powered equipment ready for action, whether you're in the workshop or on the go. With its convenient car adapter featuring a 12-24 Volt DC input, you can charge your batteries directly from your car's cigarette lighter socket, making it ideal for tradespeople working on multiple job sites throughout the day. The 2.0 Ampere output current ensures efficient charging performance, helping to reduce downtime and increase productivity. Its compact and portable design makes it easy to store in your car or tool bag, while the clear LED indicator screen keeps you informed of the charging status at a glance. This charger is compatible with INGCO's 20V Lithium-Ion battery system, providing a reliable power solution for your cordless tools. Whether you're working on construction sites, performing car repairs, or tackling home improvement projects, this car battery charger ensures your tools are always powered and ready when you need them most.

SAFETY INSTRUCTIONS

Always observe the following safety precautions when using the INGCO FCLI2012 charger:

- Read all instructions before using the charger.
- Do not charge non-rechargeable batteries.
- Use only with INGCO 20V Lithium-Ion batteries. Using other batteries may cause injury or damage.
- 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. Take it to a qualified service person.
- Do not disassemble the charger; take it to a qualified service person when service or repair is required. Incorrect reassembly may result in a risk of electric shock or fire.
- Unplug the charger from the power source when not in use or before cleaning.
- Ensure adequate ventilation during charging. Do not block ventilation openings.
- Keep the charger away from heat sources and direct sunlight.
- This appliance is not intended for use by persons (including children) with reduced physical, sensory or mental capabilities, or lack of experience and knowledge, unless they have been given supervision or instruction

concerning use of the appliance by a person responsible for their safety.

PRODUCT OVERVIEW

The INGCO FCLI2012 charger is designed for efficient and portable charging of your 20V INGCO Lithium-Ion batteries. It features a robust yellow and black casing with ventilation openings for heat dissipation, ensuring reliable performance.



Image: INGCO 20V 2.0A Car Battery Charger FCLI2012, showing the charger unit, car adapter, and product packaging.

Key Features:

- **Versatile Power Source:** 20V battery charger with 12-24V DC input, designed for convenient charging in your car using the included car adapter cable.
- **Fast Charging Capability:** Provides a 2.0 Ampere output current for efficient charging of 20V power tool batteries, reducing downtime during work or travel.
- **Portable Design:** Compact P20S FCLI2012 style charger is perfect for on-the-go charging needs, ideal for professionals and DIY enthusiasts who need to charge power tools while traveling.
- **LED Indicator Screen:** The integrated charging status screen displays battery level and charging progress, allowing you to monitor the charging process at a glance.
- **Durable Structure:** Robust yellow and black casing with ventilation openings for heat dissipation, ensuring reliable performance and long life for your charging needs.

SETUP

Follow these steps to set up your INGCO FCLI2012 car battery charger:

1. **Connect the Car Adapter:** Insert the car adapter cable into the DC input port on the charger.
2. **Plug into Vehicle Power:** Insert the car adapter plug into your vehicle's 12V or 24V cigarette lighter socket. Ensure the connection is secure.

3. **Insert Battery:** Align the 20V INGCO Lithium-Ion battery with the charging slot on the charger. Slide the battery onto the charger until it clicks into place.

APPLICABLE SCENARIOS



Image: The INGCO FCLI2012 charger in use, connected to a car's 12V power outlet and charging an INGCO 20V battery.

OPERATING INSTRUCTIONS

Once the charger is set up and a battery is inserted, the charging process will begin automatically.

LED Indicator Status:

The charger features an LED indicator screen that provides real-time feedback on the charging status:

- **Solid Green:** Battery fully charged.
- **Flashing Green:** Battery is charging.
- **Solid Red:** Battery or charger error (e.g., battery too hot/cold, faulty battery). Remove the battery and allow it to cool, then reinsert. If the error persists, consult the troubleshooting section.
- **No Light:** Charger is not connected to power, or there is no battery inserted.

The charging time for a typical 20V battery is approximately 8 hours, depending on the battery's capacity and initial charge level.

MAINTENANCE

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

- **Cleaning:** Disconnect the charger from the power source before cleaning. Use a dry, soft 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. When not in use, remove the battery from the charger.

- **Inspection:** Periodically inspect the charger, car adapter cable, and battery terminals for any signs of damage or wear. If any damage is found, do not use the charger and seek professional repair.

TROUBLESHOOTING

If you encounter issues with your charger, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
Charger LED is off	No power to charger; battery not inserted.	Ensure car adapter is securely plugged into vehicle socket and charger. Insert battery correctly. Check vehicle's 12V socket for power.
LED shows solid red	Battery or charger error (e.g., overheating, faulty battery).	Remove battery and allow it to cool down. Reinsert battery. If error persists, try a different battery. If still red, the charger may be faulty.
Battery not charging or charging slowly	Poor connection; low vehicle voltage; battery issue.	Check all connections. Ensure vehicle engine is running for optimal voltage. Test with a different battery.

TECHNICAL SPECIFICATIONS

Detailed specifications for the INGCO FCLI2012 Car Battery Charger:

Specification	Value
Brand Name	INGCO
Model Number	FCLI2012
Color	Yellow and Black
Product Dimensions (Depth x Width x Height)	6 cm x 12 cm x 12.5 cm
Item Weight	1200 grams
Compliance	CE
Input Voltage	12-24V DC (via car adapter)
Output Current	2 Ampere
Battery Charge Time	Approx. 8 hours (depending on battery capacity)
Connector Type	DC
Number of Slots	1
Compatible Batteries	INGCO 20V Lithium-Ion batteries

WARRANTY AND SUPPORT

This INGC0 FCL12012 Car Battery Charger comes with a **30-day warranty** from the date of purchase, covering manufacturing defects. Please retain your proof of purchase for warranty claims.

For technical support, service, or warranty inquiries, please contact INGC0 customer service through their official website or the retailer where the product was purchased. Do not attempt to repair the charger yourself, as this may void the warranty and pose safety risks.

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