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EMTOP 20V Cordless 1/2-inch Impact Wrench

EMTOP 20V Cordless 1/2-inch Impact Wrench Instruction Manual

Model: 20V Cordless 1/2-inch Impact Wrench

INTRODUCTION

Thank you for choosing the EMTOP 20V Cordless 1/2-inch Impact Wrench. This tool is designed for demanding fastening and loosening tasks, offering high torque and cordless convenience. Please read this manual carefully before operation to ensure safe and efficient use, proper maintenance, and to understand the product's full capabilities.

SAFETY INSTRUCTIONS

WARNING: Read all safety warnings, instructions, illustrations, and specifications provided with this power tool. Failure to follow all instructions listed below may result in electric shock, fire, and/or serious injury.

General Power Tool Safety Warnings:

- **Work Area Safety:** Keep work area clean and well lit. Cluttered or dark areas invite accidents. Do not operate power tools in explosive atmospheres, such as in the presence of flammable liquids, gases, or dust. Power tools create sparks which may ignite the dust or fumes.
- **Electrical Safety:** Power tool plugs must match the outlet. Never modify the plug in any way. Do not use any adapter plugs with earthed (grounded) power tools. Unmodified plugs and matching outlets will reduce risk of electric shock.
- **Personal Safety:** Stay alert, watch what you are doing, and use common sense when operating a power tool. Do not use a power tool while you are tired or under the influence of drugs, alcohol, or medication. A moment of inattention while operating power tools may result in serious personal injury.
- **Tool Use and Care:** Do not force the power tool. Use the correct power tool for your application. The correct power tool will do the job better and safer at the rate for which it was designed.
- **Battery Tool Use and Care:** Recharge only with the charger specified by the manufacturer. A charger that is suitable for one type of battery pack may create a risk of fire when used with another battery pack.

COMPONENTS INCLUDED

The EMTOP 20V Cordless 1/2-inch Impact Wrench kit includes the following items:

- 1 x EMTOP 20V Cordless 1/2-inch Impact Wrench
- 2 x 4.0Ah Lithium-Ion Batteries
- 1 x Battery Charger (110-120V~50/60 Hz)
- 3 x Sockets (22 mm, 24 mm, 27 mm)
- 1 x Plastic Carrying Case



Image: Overview of the EMTOP 20V Cordless 1/2-inch Impact Wrench kit, showing the wrench, two batteries, charger, three sockets, and the carrying case.

SETUP

1. Charging the Battery

1. Connect the charger to a standard 110-120V~50/60 Hz power outlet.
2. Slide the battery pack onto the charger until it clicks into place.
3. Allow the battery to charge fully. The charger indicator light will typically change color or turn off when charging is complete. Refer to the charger's specific instructions for indicator light details.
4. Once charged, disconnect the charger from the power outlet and remove the battery.

2. Attaching and Detaching the Battery

- **To Attach:** Align the battery pack with the base of the impact wrench. Slide the battery into the tool until it locks securely into place. Ensure it is firmly seated before operation.
- **To Detach:** Press the battery release button (usually located on the side or front of the battery pack) and slide the battery out of the tool.

3. Attaching and Detaching Sockets

- **To Attach:** Push the desired 1/2-inch drive socket onto the square drive anvil of the impact wrench until it snaps securely into place.
- **To Detach:** Pull the socket firmly off the square drive anvil.

OPERATING INSTRUCTIONS

1. Powering On/Off and Variable Speed Trigger

- The tool is powered on by pressing the trigger switch and powered off by releasing it.
- This impact wrench features a variable speed trigger. The speed of the tool increases as you press the trigger further.

2. Forward/Reverse Rotation

- A forward/reverse selector switch is located above the trigger.
- Push the switch to the left for forward rotation (tightening).
- Push the switch to the right for reverse rotation (loosening).
- When the switch is in the center position, the trigger is locked, preventing accidental operation. Always set the switch to the center (lock) position when not in use or when changing accessories.

3. Speed Settings

The impact wrench offers adjustable speed settings for different applications:

- **No-load Speed:** 0-1300 / 0-1900 / 0-2200 RPM
- **Impact Rate:** 0-2600 / 0-3000 / 0-3500 GPM (Gears Per Minute)

Select the appropriate speed setting based on the material and fastener requirements. Lower speeds are suitable for delicate tasks, while higher speeds provide maximum torque for heavy-duty applications.

4. Integrated Work Light

The tool is equipped with an integrated work light that illuminates the work area when the trigger is pressed, improving visibility in dark or confined spaces.

P20S
Iones de Litio

BL MOTOR
SIN ESCOBILLAS

850Nm



Image: The EMTOP 20V Cordless 1/2-inch Impact Wrench, showcasing its brushless motor, 20V P20S battery system, and high torque capabilities.

MAINTENANCE

1. Cleaning

- Always disconnect the battery pack before performing any cleaning or maintenance.
- Use a clean, damp cloth to wipe down the exterior of the tool. Do not use harsh chemicals or abrasive cleaners.
- Keep the ventilation openings clear of dust and debris to prevent overheating. Use compressed air if necessary.

2. Battery Care and Storage

- Store batteries in a cool, dry place, away from direct sunlight and extreme temperatures.
- For long-term storage, charge batteries to approximately 50% capacity.
- Do not store batteries in a discharged state.
- Avoid exposing batteries to water or moisture.

3. General Storage

- Store the impact wrench and its accessories in the provided plastic carrying case when not in use.
- Keep the tool out of reach of children.

TROUBLESHOOTING

Problem	Possible Cause	Solution
Tool does not start.	Battery not charged or improperly inserted. Forward/reverse switch in center (locked) position.	Ensure battery is fully charged and correctly inserted. Move the forward/reverse switch to the desired operating position.
Reduced power or intermittent operation.	Low battery charge. Overheating.	Recharge the battery. Allow the tool to cool down. Ensure ventilation slots are clear.
Socket does not attach securely.	Incorrect socket size or type. Debris on the anvil.	Ensure using a 1/2-inch square drive impact-rated socket. Clean the anvil and inside of the socket.
Excessive vibration or noise.	Loose components. Damaged socket or anvil.	Check for any loose parts. Discontinue use if damage is suspected and contact customer support.

SPECIFICATIONS

Feature	Specification
Model	20V Cordless 1/2-inch Impact Wrench
Brand	EMTOP
Voltage	20 Volts
Drive Size	1/2 inch
No-load Speed	0-1300 / 0-1900 / 0-2200 RPM (Adjustable)
Impact Rate	0-2600 / 0-3000 / 0-3500 GPM
Max Fastening Torque	500 Nm
Nut-busting Torque	Up to 650 Nm
Motor Type	Brushless
Battery Capacity	2 x 4.0Ah Lithium-Ion
Charger Input Voltage	110-120V~50/60 Hz

Feature	Specification
Max Power	850 Watts
Weight (Tool only)	Approximately 820 g (without battery)
Special Features	Variable Speed, Integrated Work Light

WARRANTY AND SUPPORT

For warranty information, technical support, or service inquiries, please contact EMTOP customer service directly or refer to the warranty card included with your product. Keep your purchase receipt as proof of purchase.

EMTOP Customer Service: Please refer to the contact information provided on the product packaging or the official EMTOP website for the most up-to-date support details.

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Related Documents - 20V Cordless 1/2-inch Impact Wrench

	<p>EMTOP ELGS208501 Cordless Lithium-ion Jigsaw - User Manual</p> <p>This document provides comprehensive operating instructions, safety warnings, and maintenance guidelines for the EMTOP ELGS208501 Cordless Lithium-ion Jigsaw. It includes specifications, safety symbols, usage procedures, and a detailed parts list.</p>
	<p>EMTOP CM4-ET-IND OpenPLC User Manual: Setup and Operation Guide</p> <p>A comprehensive user manual for the EMTOP CM4-ET-IND, detailing installation, configuration, programming with OpenPLC Editor, and runtime operation for industrial automation.</p>
	<p>EMTOP 1400W Industrial Vacuum Cleaner - Model EVCR1401 User Manual</p> <p>Comprehensive user manual for the EMTOP 1400W Industrial Vacuum Cleaner (Model EVCR1401). Contains detailed safety instructions, operating procedures, maintenance guidelines, technical specifications, and troubleshooting tips.</p>



[EMTOP LWL2025 Lampe Portable Lithium-Ion: Manuel d'Utilisation et Guide de Sécurité](#)

Manuel complet pour la lampe portable lithium-ion EMTOP LWL2025. Ce guide couvre les instructions d'utilisation, les données techniques, les consignes de sécurité pour l'appareil et la batterie, et les symboles importants pour une utilisation optimale et sécurisée.



[EMTOP 1400W Circular Saw \(ECSW1852, ULCSW1852\) - User Manual & Parts](#)

Comprehensive user manual and parts list for the EMTOP 1400W Circular Saw models ECSW1852, ULCSW1852, and ECSW1852-3. Includes technical specifications, safety instructions, and detailed part diagrams.



[EMTOP Lithium-Ion Grass Trimmer Product Manual](#)

This product manual provides comprehensive safety instructions, operating guidelines, maintenance procedures, and troubleshooting tips for the EMTOP Lithium-Ion Grass Trimmer, models ELGT20328, ELGT20328xy, and ULGT20328xy.