

1. Product Overview

The NEIKO 10883A is a cordless, battery-powered impact wrench with a 1/2-inch square drive. It is designed for high-torque fastening and loosening tasks, such as automotive repair, construction, and other mechanical work.



Key attributes of the tool include a brushless motor, a variable-speed trigger, a forward/reverse switch, a built-in LED work light, and a battery charge indicator.

2. Package Contents

Before use, verify that your kit contains the following items:

- 1 x NEIKO 10883A Impact Wrench
- 1 x 20V 4.0Ah Lithium-Ion Battery
- 1 x 2.4A ETL-Approved Fast Charger
- 4 x Impact Sockets (17mm, 3/4", 21mm, 7/8")
- 1 x Storage Case
- This User Manual



3. Technical Specifications

Specification	Detail
Drive Size	1/2 Inch
Max Torque (Breakaway)	370 ft-lbs (500 Nm)
No-Load Speed	0–2,800 RPM
Impact Frequency	0–3,300 BPM
Battery	20V, 4.0Ah Lithium-Ion (included)
Charger	2.4A Fast Charger (ETL Approved)
Charge Time	Approx. 2.5 hours
Item Length	12 Inches
Item Weight (with battery)	Approx. 8 lbs
Operation Mode	Cordless (Battery)

4. Parts Identification



Main Tool

- **1/2" Square Drive Anvil:** Accepts standard 1/2" impact sockets and accessories.
- **Forward/Reverse Switch:** Located near the wrench head. Sets the direction of rotation for installing or removing fasteners.
- **Variable-Speed Trigger:** Press to start the tool. Speed increases with deeper trigger pull.
- **LED Work Light:** Illuminates the work area directly in front of the anvil. Activates when the trigger is pressed.
- **Battery Charge Indicator:** Displays remaining battery charge level (100%, 65%, 25%).
- **Battery Release Button:** Press to detach the battery from the tool.
- **Ergonomic Rubber Grip:** Provides comfort and control during use.

- **Belt Hook:** Located at the base of the handle for hanging the tool when not in use.

Battery & Charger

- **20V 4.0Ah Lithium-Ion Battery:** Powers the tool. Features overcharge protection.
- **2.4A Fast Charger:** Connects to a standard wall outlet. Charging status is indicated by lights on the charger unit.

5. Basic Operation

SAFETY WARNING: Always wear appropriate personal protective equipment (PPE) including safety glasses. Ensure the work piece is securely held. Keep hands away from the rotating anvil and accessory.

5.1 Installing the Battery

1. Align the battery with the slot on the tool's handle.
2. Slide the battery firmly into place until it clicks and locks.

5.2 Removing the Battery

1. Press the battery release buttons on both sides of the battery.
2. Slide the battery out of the tool.

5.3 Charging the Battery

1. Plug the charger into a standard 120V wall outlet.
2. Insert the battery into the charger. The charger indicator light will illuminate.
3. A full charge takes approximately 2.5 hours. Do not leave the battery on the charger indefinitely after it is fully charged.

5.4 Using the Impact Wrench

1. **Select Direction:** Use the forward/reverse switch to select the desired rotation.
 - **Forward (Clockwise):** For installing or tightening fasteners.
 - **Reverse (Counter-Clockwise):** For loosening or removing fasteners.
2. **Attach Socket:** Push a compatible 1/2" impact socket onto the square drive anvil until it locks (a pin detent will hold it in place).
3. **Position Tool:** Place the socket securely onto the fastener (nut, bolt, lug nut).
4. **Operate:** Squeeze the variable-speed trigger. Start at a low speed to align the socket, then increase pressure for full torque. The tool will deliver impacts to loosen or tighten the fastener.

5. **LED Light:** The LED light will turn on automatically when the trigger is pressed to illuminate your work area.

6. Battery Charge Indicator

The battery is equipped with a charge level indicator. Press the button on the battery to check the remaining charge.

- **All Lights On:** Battery charge is approximately 100%.
- **Two Lights On:** Battery charge is approximately 65%.
- **One Light On:** Battery charge is approximately 25%. Recharge soon.
- **No Lights / Flashing Light:** Battery is depleted or requires charging. Connect to the charger.

7. Maintenance and Storage

- Keep the tool clean and free of dust, oil, and grease. Wipe with a dry cloth.
- Do not use solvents or water to clean the tool.
- Store the tool and battery in the provided case in a cool, dry place, away from direct sunlight and moisture.
- For long-term storage, remove the battery from the tool and store it separately at a partial charge (approx. 50%).
- Use only NEIKO replacement batteries (Model 40064A for 2.0Ah or 40065A for 4.0Ah).
- The tool contains no user-serviceable parts. Do not disassemble.

8. Troubleshooting

Problem	Possible Cause	Solution
Tool does not start.	Battery not installed, depleted, or faulty.	Ensure battery is fully inserted. Check battery charge. Try a different, charged battery.
Tool operates slowly or lacks power.	Battery charge is low. Fastener is over-torqued or seized.	Recharge the battery. Ensure the tool is in the correct direction. Use a breaker bar for initial loosening of seized fasteners.
Socket does not stay on the anvil.	Socket detent pin or anvil groove is worn or dirty.	Clean the anvil and socket. Replace worn sockets.
Battery does not charge.	Charger not plugged in. Faulty outlet, battery, or charger.	Check power connection. Ensure battery is correctly seated in charger. Try a different outlet. Contact support if issue persists.
LED light does not work.	LED may be damaged.	The tool will still operate. Contact support for service.

Warning

This content is compiled from multiple sources and is provided for reference purposes only. It may not be complete or fully applicable to all situations. If you are unable to resolve your issue, please contact the product manufacturer or an authorized service provider for official support.