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Cordless Impact Wrench

LW500N

To Be Your Exclusive Helper

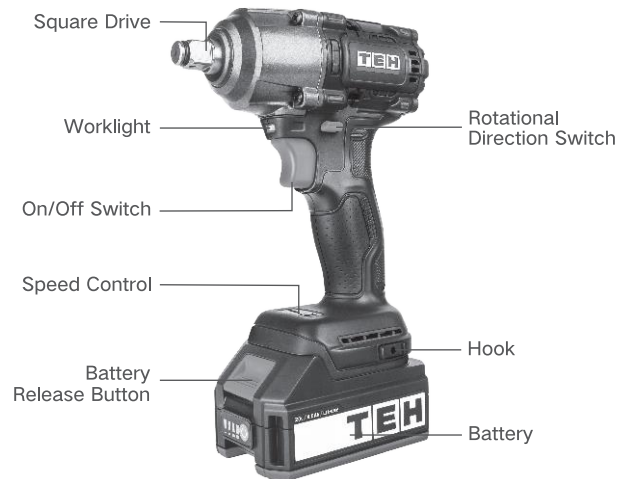


TEH

TECHNICAL SPECIFICATION

Model	LW500N
Voltage	DC 20V
Motor	Brushless
Square Drive	12.7mm
No Load Speed	0-1600/2000/2600r/min
Impact Rate	0-1800/2500/3300b/min
MAX. Torque	500N.M
Compatible Battery	LB4.0Ah

COMPONENTS AND ACCESSORIES



SAFETY INSTRUCTIONS

WARNING

Read all instructions. Failure to follow all instructions listed below may result in electric shock, fire and/or other serious injury. The term “power tools” in all of the warnings listed below refers to mains-operated (corded) power tool or battery operated (cordless) power tool.

WORK AREA

- a) Keep work area clean and well lit. Cluttered and dark areas invite accidents.
- b) 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.
- c) Keep children and bystanders away while operating a power tool. Distractions can cause you to lose control.

ELECTRICAL SAFETY

- a) 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.
- b) Avoid body contact with earthed or grounded surfaces such as pipes, radiators, ranges and refrigerators. There is an increased risk of electric shock if your body is earthed or grounded.
- c) Do not expose power tools to rain or wet conditions. Water entering a power tool will increase the risk of electric shock.
- d) Do not abuse the cord. Never use the cord for carrying, pulling or unplugging the power tools. Keep cord away from heat, oil, sharp edges or moving parts. Damaged or entangled cords increases the risk of electric shock.

- e) When operating a power tool outdoors, use an extension cord suitable for outdoor use. Use of a cord suitable for outdoor use reduces the risk of electric shock.
- f) If operating a power tool in a damp location is unavoidable, use a residual current device (RCD) protected supply. Use of an RCD reduces the risk of electric shock.

PERSONAL SAFETY

- a) 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.
- b) Use safety equipment. Always wear eye protection. Safety equipment such as dust mask, non-skid safety shoes, hard hat, or hearing protection used for appropriate conditions will reduce the risk of personal injuries.
- c) Prevent unintentional starting. Ensure the switch is in the off-position before connecting to power source and/or battery pack, picking up or carrying the tool.
Carrying power tools with your finger on the switch or energizing power tools that have the switch on invites accidents.
- d) Remove any adjusting key or wrench before turning the power tool on. A wrench or a key to a rotating part of the power tool may result in personal injury.
- e) Do not overreach. Keep proper footing and balance at all times. This enables better control of the power tool in unexpected situations.
- f) Dress properly. Do not wear loose clothing or jewellery. Keep your hair, clothing and gloves away from moving parts. Loose clothes, jewellery or long hair can be caught in moving parts.
- g) Store idle power tools out of the reach of children and do not allow persons unfamiliar with the power tool or these instructions to operate the power tool. Power tools are dangerous in the hands of untrained users.
- h) Maintain power tools. Check for misalignment or binding of moving parts, breakage of parts and any other condition that may affect the power tool's operation. If damaged, have the power tool repaired before use. Many accidents are caused by poorly maintained power tools.

l) Keep cutting tools sharp and clean. Properly maintained cutting tools with sharp cutting edges are less likely to bind and are easier to control.

n) Use the power tool, accessories and tool bits etc. in accordance with these instructions, taking into account the working conditions and the work to be performed. Use of the power tool for operations different from those intended could result in a hazardous situation.

USE AND HANDLING OF THE CORDLESS ELECTRICAL POWER TOOL

a) Charge a rechargeable battery unit using only the charger recommended by the manufacturer. Chargers are often designed for a particular type of rechargeable battery unit. There is the danger of fire if other types of rechargeable battery units are used.

b) Only the rechargeable battery units supplied are to be used with an electrical power tool. The use of other rechargeable battery units may lead to the danger of injury or fire.

c) When they are not being used, store rechargeable

battery units away from paperclips, coins, keys, nails, screws or other small metal objects that could cause the contacts to be bridged. Short-circuiting the contacts of a rechargeable battery unit may result in heat damage or fire.

d) Fluids may leak out of rechargeable battery units if they are misused. If this happens, avoid contact with the fluid. If contact occurs, flush the affected area with water. Seek additional medical help if any of the fluid gets into your eyes. Escaping battery fluid may cause skin irritation or burns.

SERVICE

Have your power tool serviced by a qualified repair person using only identical replacement parts. This will ensure that the safety of the power tool is maintained.

SPECIAL SAFETY DIRECTIONS FOR BATTERY-OPERATED TOOLS

a) Ensure that the device is switched off before inserting the battery. Inserting a battery into a power tool that is switched on may result in accidents.

b) Recharge the batteries indoors only because the battery charger is designed for indoor use only.

c) To reduce the electric shock hazard, unplug the battery charger from the mains before cleaning the charger.

d) Do not subject the battery to strong sunlight over long periods and do not leave it on a heater. Heat damages the battery and there is a risk of explosion.

e) Allow a hot battery to cool before charging.

f) Do not open up the battery and avoid mechanical damage to the battery. Risk of short circuit and fumes may be emitted that irritate the respiratory tract. Ensure fresh air and seek medical assistance in the event of discomfort.

g) Do not use non-rechargeable batteries!

CORRECT HANDLING OF THE BATTERY CHARGER

a) This device can be used by children aged 8 and over and by people with reduced physical, sensory or mental capacities or with a lack of experience or knowledge, if they are supervised or have been instructed regarding safe use of the device and understand the resulting risks. Children are not permitted to play with the device. Cleaning and user maintenance are not to be undertaken by children without supervision.

b) Children should be supervised to ensure that they do not play with the appliance.

c) To charge the battery, use only the charger supplied. Risk of fire and explosion. This ensures that the safety of the device is maintained.

d) Before each use, check the charger, cable and plug and have them repaired by qualified professionals and only with original parts. Do not use a defective charger and do not open it up yourself. This ensures that the safety of the device is maintained.

- e) Connect the charger **only** to a socket with an earth. Ensure that the mains voltage matches the specifications on the charger rating plate. Risk of electric shock.
 - f) Disconnect the charger from the mains before closing or opening connection to the battery / power tool / device.
 - g) Keep the charger clean and away from wet and rain. Do not use the charger outdoors. Dirt and the entry of water increase the risk of electric shock.
 - h) Operate the charger **only** with the appropriate original batteries. Charging other batteries may result in injuries and risk of fire.
 - l) Avoid mechanical damage to the charger. This can result in internal short circuits.
 - j) Do not operate the charger on a combustible surface (e.g. paper, textiles). Risk of fire due to heating during charging.
 - k) If the power cable for this equipment is damaged, it must be replaced by the manufacturer, a customer service agent of the same or a similarly qualified person in order to prevent hazards.
 - l) The battery of the appliance is not fully charged at the time of delivery. It therefore needs to be fully recharged before you use it for the first time. For the first recharge cycle we recommend that you charge the battery for about 1 hour. Slot the battery into the base and plug the battery charger into a mains outlet.
 - m) When the battery is fully charged, unplug the charger from the mains and from the appliance. Charging time is approx. 1 hour.
 - n) Do not charge the battery continuously since this may damage the battery cells.
- Note: Repeatedly charging small capacities may damage the battery cells. Recharge the battery only if the appliance is becoming slow.
- o) Do not use the charger to charge non-rechargeable batteries.

RESIDUAL RISKS

Even if properly operating and handling this electric tool, some residual risks will remain. Due to its construction and build, this electric tool may present the following hazards:

- a) Cuts
- b) Ear damage if working without ear protection.
- c) Damage to your health caused by swinging your hands and arms when operating the appliance for longer periods of time or if the unit is not held or maintained properly.

WARNING

During operation, this electric tool generates an electromagnetic field which, under certain circumstances,

may impair the functionality of active or passive medical implants. To reduce the risk of serious or lethal injuries, we recommend that persons with medical implants consult their doctor and the manufacturer of their medical implant before operating the machine.

CORDLESS IMPACT WRENCH SAFETY INSTRUCTION

1. Hold power tool by insulated gripping surfaces, when performing an operation where the fastener may contact hidden wiring. Fasteners contacting a "live" wire may make exposed metal parts of the power tool "live" and could give the operator an electric shock.
2. Wear ear protectors.
3. Check the impact socket carefully for wear, cracks or damage before installation.
4. Hold the tool firmly.
5. Always be sure you have a firm footing. Be sure no one is below when using the tool in high locations.
6. The proper fastening torque may differ depending upon the kind or size of the bolt. Check the torque with a torque wrench.
7. Use auxiliary handle(s), if supplied with the tool. Loss of control can cause personal injury.

8. Hold power tool by insulated gripping surfaces, when performing an operation where the cutting accessory may contact hidden wiring. Cutting accessory contacting a "live" wire may make exposed metal parts of the power tool "live" and could give the operator an electric shock.

9. Keep hands away from rotating parts.

10. Do not touch the drill bit or the workpiece immediately after operation; they may be extremely hot and could burn your skin.

11. Some material contains chemicals which may be toxic. Take caution to prevent dust inhalation and skin contact. Follow material supplier safety data.

BEFORE STARTING THE EQUIPMENT

WARNING ▲

Important. Always remove the battery from machine before doing any work on the machine!

CHARGING THE BATTERY PACK

1. Remove the battery pack from the handle, pressing the push lock buttons downwards to do so.

2. Check that your mains voltage is the same as that marked on the rating plate of the battery charger. Plug the mains plug of the charger (6) into the mains socket outlet.

3. Push the battery pack onto the battery charger. The red LED will come on to indicate that the battery pack is being charged. When the charging process is finished, the red LED will extinguish and green LED will be permanently lit. The time it takes to fully recharge an empty battery is approximately 1 hour.

4. The temperature of the battery pack may rise slightly during the charging operation. This is normal.

5. If the battery pack fails to become charged, please check

- whether there is voltage at the socket-outlet,
- whether there is proper contact at the charging contacts on the charger.

6. If the battery still fails to become charged, please return

- the charger
- the battery pack

to our Customer Service Department.

6. To ensure that the battery pack provides long service you should take care to recharge it promptly.

You must recharge the battery pack when you notice that the power Cordless Impact Driver Never fully discharge the battery pack. This will cause the battery pack to develop a defect.

WARNING ▲

Please charge the battery pack regularly, for example, once every 6 months.

Changing the Tool

Before any work on the power tool (e. g., maintenance, tool change, etc.) as well as during transport and storage, set the rotational direction switch to the center position. Unintentional actuation of the On/Offswitch can lead to injuries.

OPERATION INSTRUCTION

INSERTING THE BATTERY

Use only original this brand Li-ion batteries with the voltage listed on the nameplate of your power tool. Using other batteries can lead to injuries and pose a fire hazard.

Set the rotational direction switch to the center position to protect the power tool against accidental starting. Insert the charged battery into the handle so that it can be felt to engage and faces flush against the handle.

REVERSING THE ROTATIONAL DIRECTION

The rotational direction switch is used to reverse the rotational direction of the machine. However, this is not possible with the On/Off switch 8 actuated.

Right Rotation: For driving in screws and tightening nuts, press the rotational direction switch through to the left stop.

Left Rotation: For loosening and unscrewing screws and nuts, press the rotational directions witch through to theright stop.

SWITCHING ON AND OFF

To start the machine, press the On/Off switch and keep it pressed. To switch off the machine, release the On/Off switch.

ADJUSTING THE SPEED

The speed of the switched on power tool can be variably adjusted, depending on how far the On/Off switch is pressed. Light pressure on the On/Off switch results in a low rotational speed. Further pressure on the switch results in an increase in speed.

WORKING ADVICE

Apply the power tool to the screw/nut only when it is switched off. Rotating tool inserts can slip off. The torque depends on the impact duration. The maximum achieved torque results from the sum of all individual torques achieved through impact. The maximum torque is achieved after the impact duration of 6-10 seconds. After this duration, the tightening torque is increased only minimally. The impact duration is to be determined for each required tightening torque. The actually achieved tightening torque is always to be checked with a torque wrench.

When working with an application tool, pay attention that the application tool is firmly seated on the tool holder. When the application tool is not firmly connected with the tool holder, it can come loose again and not be controlled.

LED LAMP

The LED lamp can be used in poor lighting conditions to illuminate the area where you want to drill or screw. The LED lamp will be lit automatically as soon as you press the ON/OFFswitch.

MAINTENANCE AND SERVICE

MAINTENANCE AND CLEANING

1. Remove the battery from the power tool before carrying out work on the power tool (e.g. maintenance, changing tool, etc.). The battery should also be removed for transport and storage. There is risk of injury from unintentionally pressing the on/off switch.
2. To ensure safe and efficient operation, always keep the power tool and the ventilation slots clean.
3. Replace a damaged dust protection cap immediately. It is recommended that you have use an after-sales service for this.
4. Clean the tool holder after each use.

TRANSPORT

1. The contained lithium-ion batteries are subject to the Dangerous Goods Legislation requirements. The batteries are suitable for road-transport by the user without further restrictions.
2. When shipping by third parties (e.g.: by air transport or forwarding agency), special requirements on packaging and labelling must be observed. For preparation of the item being shipped, consulting an expert for hazardous material is required.
3. Dispatch battery packs only when the housing is undamaged. Tape or mask off open contacts and pack up the battery in such a manner that it cannot move around in the packaging. Please also observe the possibility of more detailed national regulations.

DISPOSAL



Power tools, rechargeable batteries, accessories and packaging should be sorted for environmental-friendly recycling.



Do not dispose of power tools and batteries/rechargeable batteries into household waste!

ONLY FOR EU COUNTRIES:

According to the Directive 2012/19/EU, power tools that are no longer usable, and according to the Directive 2006/66/EC, defective or used battery packs/batteries, must be collected separately and disposed of in an environmentally correct manner.

WARRANTY CARD

Dear customers, the warranty service for purchasing TEH products is as follows:

Under normal use, within one year from the date of purchase. It is guaranteed that the damage is caused by the quality of the tool.

The following conditions occur during the warranty period, not covered by the warranty:

- a. Any valid legal document (single ticket) certifying the date of purchase
- b. Any damage caused by natural wear and overload
- c. Any damage caused by the use of low-priced inferior accessories
- d. Any damage caused by improper carrying, transportation or storage
- e. Any product that has been opened, repaired, replaced, or modified by itself
- f. Any damage caused by misuse, beyond the scope of use of the tool, and failure to use and maintain in accordance with the instructions

ladies/gentlemen: _____ employer: _____

contact number: _____ fax number: _____

contact address: _____

warranty record: _____

post code: _____

IMPORTANT NOTE

1. The invoice and warranty card must be presented at the time of warranty.
2. The fuselage number on the invoice is the same as the fuselage number on the warranty card.
3. Once this warranty card is issued, if it is lost, it will not be reissued. Please keep it properly.

Note: The company reserves the right to amend the above provisions and has the final interpretation right in the case that the warranty service does not violate national laws.