

## TECCPO TDHD02P

# TECCPO TDHD02P 18V Cordless Brushless Impact Drill Driver User Manual

Model: **TDHD02P** | Brand: **TECCPO**

## 1. INTRODUCTION

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Thank you for choosing the TECCPO TDHD02P 18V Cordless Brushless Impact Drill Driver. This manual provides essential information for the safe operation, maintenance, and troubleshooting of your tool. Please read it thoroughly before use and keep it for future reference.

## 2. SAFETY INSTRUCTIONS

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Always follow basic safety precautions to reduce the risk of fire, electric shock, and personal injury when using power tools. Keep your work area clean and well-lit. Do not operate power tools in explosive atmospheres, such as in the presence of flammable liquids, gases, or dust. Keep children and bystanders away while operating a power tool.

### Personal Safety

- Always wear eye protection and hearing protection.
- Dress properly. Do not wear loose clothing or jewelry. Keep hair, clothing, and gloves away from moving parts.
- Stay alert, watch what you are doing, and use common sense when operating a power tool.

### Power Tool Use and Care

- Do not force the power tool. Use the correct power tool for your application.
- Disconnect the battery pack from the power tool before making any adjustments, changing accessories, or storing power tools.
- 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.

- Maintain power tools and accessories. Check for misalignment or binding of moving parts, breakage of parts, and any other condition that may affect the power tool's operation.

### 3. PRODUCT OVERVIEW AND COMPONENTS

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The TECCPO TDHD02P is an 18V cordless brushless impact drill driver designed for various drilling and fastening tasks in wood, metal, and masonry.

#### Included Components

The package includes the following items:

- 1 x TECCPO Brushless 18V Cordless Drill Driver
- 2 x 2.0Ah Batteries
- 1 x 30-Minute Fast Charger
- 1 x Extension Rod (60mm)
- 5 x Screwdriver Bits (50mm)
- 15 x Screwdriver Bits (25mm)
- 1 x Socket Adapter
- 7 x Twist Drill Bits (for metal)
- 1 x Flexible Shaft
- 1 x Tool Bag
- 1 x Belt Buckle
- 1 x User Manual

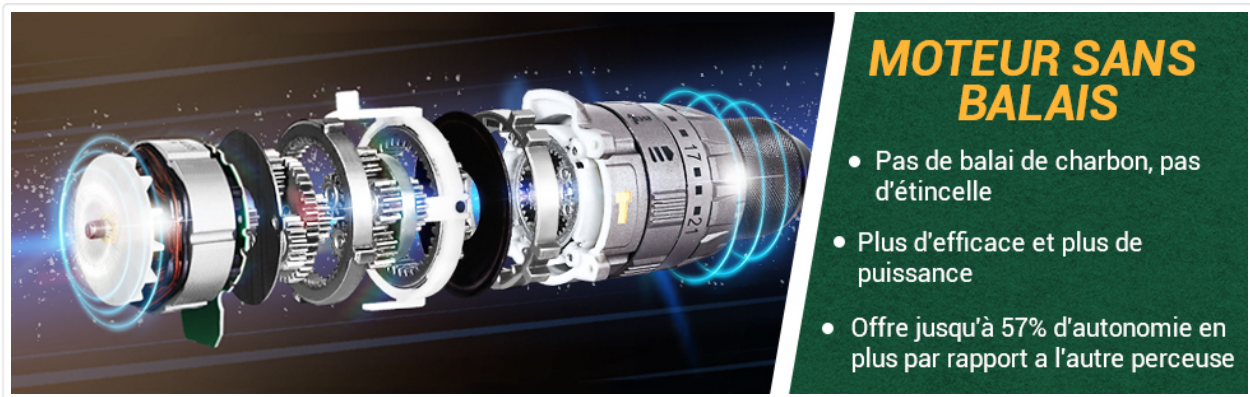


Figure 1: TECCPO TDHD02P Cordless Drill Driver with all included accessories, including batteries, charger, various bits, and a tool bag.

### Brushless Motor Technology

The TDHD02P features a brushless motor, offering enhanced performance and efficiency compared to brushed motors. This technology results in:

- Reduced friction and lower noise.
- No carbon brush replacement required.
- No sparks, higher power, and increased efficiency.
- Low loss and strong stability, extending tool lifespan.



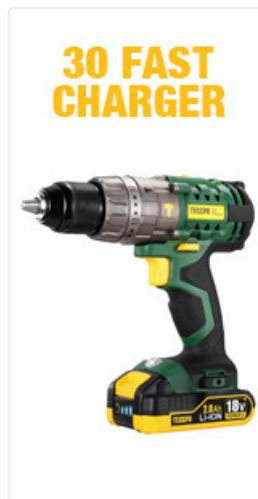
**Figure 2:** Internal diagram illustrating the components of the brushless motor, highlighting its advanced design for efficiency and durability.

## 4. SETUP

### Battery Charging and Installation

The drill driver is powered by 18V 2.0Ah Lithium-Ion batteries. Ensure batteries are fully charged before first use.

1. **Charging:** Connect the 30-minute fast charger to a power outlet. Insert the battery into the charger. The LED indicator on the charger will show the charging status. A full charge takes approximately 30 minutes.
2. **Installation:** Align the battery pack with the base of the drill handle. Slide the battery into place until it clicks securely.
3. **Removal:** Press the battery release button (usually located at the front of the battery) and slide the battery out.



**Figure 3:** Illustration of the 2.0Ah battery and the 30-minute fast charger, demonstrating the quick charging capability.



Figure 4: The TECCPO TDHD02P drill driver with the 18V battery securely attached to its base.

## Installing and Removing Drill Bits/Accessories

The drill features a 13mm keyless chuck for easy bit changes.

1. **To Install:** Rotate the chuck counter-clockwise until the jaws are open wide enough to insert the bit. Insert the bit fully and then rotate the chuck clockwise to tighten it securely.
2. **To Remove:** Rotate the chuck counter-clockwise to loosen the jaws and remove the bit.

## 5. OPERATING INSTRUCTIONS

### Torque and Mode Selection (21+3 Positions)

The drill offers 21 torque settings for screwdriving, plus 3 additional modes for drilling and impact drilling. Adjust the collar behind the chuck to select the desired setting:

- **1-21:** Torque settings for screwdriving. Lower numbers for smaller screws and softer materials, higher numbers for larger screws and harder materials.
- **Drill Mode (Drill Bit Icon):** For general drilling in wood, metal, and plastic.

- **Impact Drill Mode (Hammer Icon):** For drilling into masonry and concrete.
- **Screwdriver Mode (Screw Icon):** For driving screws without impact.



Figure 5: The drill's adjustable collar for selecting between 21 torque settings, drill mode, and impact drill mode.

### Speed Selection (2-Speed Gearbox)

The drill features a 2-speed gearbox, controlled by a switch on top of the tool:

- **Speed 1 (0-550 RPM):** Low speed, high torque. Ideal for screwdriving and drilling large diameter holes in wood.
- **Speed 2 (0-2000 RPM):** High speed, lower torque. Suitable for fast drilling in metal and smaller diameter holes.



Figure 6: The 2-speed selector switch located on top of the drill, allowing users to choose between low and high-speed settings.

### Forward/Reverse Switch and Variable Speed Trigger

- **Forward/Reverse:** A switch above the trigger allows you to select forward (clockwise) or reverse (counter-clockwise) rotation. Position the switch in the middle to lock the trigger and prevent accidental starting.
- **Variable Speed Trigger:** The trigger controls the speed. Pressing it further increases the speed.

## LED Work Light

An integrated LED light illuminates the work area, improving visibility in dark or confined spaces. It activates automatically when the trigger is pressed.

## Typical Applications

The TECCPO TDHD02P is versatile for various DIY and professional tasks:

- **Drilling Wood:** Use appropriate wood drill bits. Max capacity: 30mm.
- **Drilling Metal:** Use appropriate metal drill bits. Max capacity: 13mm.
- **Drilling Masonry/Concrete:** Use impact drill mode and masonry bits. Max capacity: 10mm.
- **Screwdriving:** Use appropriate screwdriver bits for driving and removing screws.



Figure 7: A user demonstrating drilling into a wooden surface with the TECCPO TDHD02P drill driver.



Figure 8: A user demonstrating drilling into a metal surface with the TECCPO TDHD02P drill driver.



**Figure 9:** Examples of common applications for the drill driver, including ceiling light fastening, TV cabinet fastening, furniture assembly, fixing plumbing issues, and building a dog house.

## Product Demonstration Video

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**Video 1:** A short preview video demonstrating the TECCPO TDHD02P drill driver in action, including drilling into wood and concrete, and showcasing the battery charging process.

## 6. MAINTENANCE

Regular maintenance ensures the longevity and optimal performance of your drill driver.

- **Cleaning:** Keep the ventilation slots clean to prevent overheating. Use a soft, damp cloth to clean the tool casing. Do not use harsh chemicals or abrasive cleaners.
- **Battery Care:** Store batteries in a cool, dry place away from direct sunlight. Do not store fully discharged batteries for extended periods. Charge them periodically if not in use.
- **Storage:** Store the drill driver and accessories in the provided tool bag in a dry, secure location out of reach of children.

## 7. TROUBLESHOOTING

If you encounter issues with your TECCPO TDHD02P, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
Drill does not start	Battery not charged or improperly installed. Forward/reverse switch in middle position.	Charge battery. Reinstall battery securely. Move forward/reverse switch to forward or reverse position.

Problem	Possible Cause	Solution
Reduced power or speed	Low battery charge. Incorrect speed setting.	Recharge battery. Select a higher speed setting (Speed 2).
Bit slips in chuck	Chuck not tightened sufficiently.	Ensure bit is fully inserted and chuck is tightened firmly.
Overheating	Blocked ventilation slots. Prolonged heavy use.	Clean ventilation slots. Allow tool to cool down. Reduce load.

## 8. SPECIFICATIONS

Technical specifications for the TECCPO TDHD02P 18V Cordless Brushless Impact Drill Driver:

Feature	Specification
Brand	TECCPO
Model Number	TDHD02P
Power Source	Battery Powered
Voltage	18 Volts
Max Torque	60 Newton Meters
No-Load Speed (Speed 1)	0-550 RPM
No-Load Speed (Speed 2)	0-2000 RPM
Chuck Size	13 mm (1/2 inch)
Battery Capacity	2 x 2.0 Ah Lithium-Ion
Charger Type	30-minute Fast Charger (4A)
Drilling Capacity (Wood)	30 mm
Drilling Capacity (Metal)	13 mm
Drilling Capacity (Concrete)	10 mm
Product Dimensions (L x W x H)	22 x 7.5 x 24 cm
UPC	680666928100

## 9. WARRANTY AND SUPPORT

TECCPO products are manufactured to high-quality standards. For warranty information, technical support, or service inquiries, please refer to the contact details provided in your purchase documentation or visit the official TECCPO website. Keep your proof of purchase for warranty claims.

