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› PSIDE PERFORMANCE 12V Cordless Impact Wrench 350Nm PPDSSA 12 User Manual

## PSIDE PPDSSA 12 A1

# PSIDE PERFORMANCE 12V Cordless Impact Wrench PPDSSA 12 User Manual

Model: PPDSSA 12 A1

## 1. GENERAL SAFETY INSTRUCTIONS

Always read and understand 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.

- **Work Area Safety:** Keep the 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.
- **Electrical Safety:** Power tool plugs must match the outlet. Never modify the plug in any way. Do not abuse the cord. Keep cord away from heat, oil, sharp edges, or moving parts.
- **Personal Safety:** Always wear eye protection. Use hearing protection when operating the tool for extended periods. Dress properly. Do not wear loose clothing or jewelry. Keep your hair and clothing away from moving parts.
- **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.
- **Battery Tool Use and Care:** Recharge only with the charger specified by the manufacturer. Use power tools only with specifically designated battery packs.

## 2. PRODUCT OVERVIEW

The PSIDE PERFORMANCE 12V Cordless Impact Wrench PPDSSA 12 is designed for efficient fastening and loosening of bolts and nuts, particularly suitable for vehicle wheel assembly. It features a robust brushless motor for extended lifespan and high performance.



**Figure 2.1:** The PSIDE PERFORMANCE 12V Cordless Impact Wrench. This image shows the tool with a 4Ah battery attached. The product bundle includes a 4Ah battery and charger.

## Key Features:

- **Brushless Motor:** Ensures a longer service life due to reduced wear.
- **Adjustable Torque:** Four selectable torque stages with an LED display for the set value.
- **Tool Holder:** Features a 1/2-inch external square tool holder.
- **Rotation Function:** Equipped with both forward and reverse rotation.
- **Ergonomic Design:** Non-slip soft grip for secure handling and comfortable use.
- **Integrated LED Work Light:** Provides optimal visibility during operation.
- **Compatibility:** Compatible with all batteries from the “X 12V Team” series.

## 3. SETUP

### 3.1. Battery Charging and Installation

The product bundle includes a 4Ah battery and a charger. Ensure the battery is fully charged before first use.



**Figure 3.1:** The PSIDE 12V battery charger. Use this charger to power the included 4Ah battery. Ensure the battery is properly seated for charging.

1. Connect the charger to a suitable power outlet.
2. Insert the 4Ah battery into the charger. The charger's indicator light will show the charging status.
3. Once fully charged, remove the battery from the charger.
4. To install the battery into the impact wrench, align the battery with the tool's base and slide it in until it clicks securely into place.
5. To remove the battery, press the release button(s) on the battery pack and slide it out.

### **3.2. Attaching Impact Wrench Sockets**

The product includes four impact wrench sockets (17 mm, 19 mm, 21 mm, 23 mm) with a length of 75 mm.

1. Ensure the impact wrench is switched off and the battery is removed before attaching or removing sockets.
2. Select the appropriate socket size for your application.
3. Push the socket onto the 1/2-inch square tool holder until it is firmly seated.
4. To remove, pull the socket off the tool holder.

## **4. OPERATING**

### **4.1. Selecting Torque Stages**

The impact wrench offers four selectable torque stages to match different application requirements:

- Stage 1: 85 Nm
- Stage 2: 125 Nm
- Stage 3: 200 Nm
- Stage 4: 300 Nm

Use the torque selection button to cycle through the stages. The LED display will indicate the currently selected torque value. The maximum loosening torque is 350 Nm.

## 4.2. Forward and Reverse Rotation

The tool features a switch for selecting forward (tightening) or reverse (loosening) rotation. Ensure the switch is in the desired position before starting the tool.

## 4.3. Using the Impact Wrench



**Figure 4.1:** The PSIDE PERFORMANCE 12V Cordless Impact Wrench being used to fasten a bolt. The compact design is ideal for working in confined spaces.

1. Ensure the correct socket is attached and the battery is securely installed.
2. Select the desired torque stage and rotation direction.
3. Position the socket onto the fastener.

4. Press the trigger to start the tool. The integrated LED work light will illuminate the work area.
5. Apply steady pressure. The impact mechanism will engage automatically when resistance is met.
6. Release the trigger to stop the tool.

The compact design makes this tool ideal for working in hard-to-reach areas, such as during vehicle maintenance.

## 5. MAINTENANCE

### 5.1. Cleaning

- Always remove the battery before cleaning.
- Keep the ventilation openings clean to prevent overheating.
- Wipe the tool with a dry or slightly damp cloth. Do not use harsh cleaning agents or solvents.

### 5.2. Battery Care

- Store batteries in a cool, dry place, away from direct sunlight and extreme temperatures.
- Do not store batteries in a discharged state for extended periods. Recharge them periodically.
- Protect batteries from impact and moisture.

### 5.3. Storage

Store the impact wrench and its accessories in the practical storage case provided. This protects the tool from dust and damage.

## 6. TROUBLESHOOTING

If you encounter issues with your PSIDE PERFORMANCE 12V Cordless Impact Wrench, refer to the following common troubleshooting steps:

- **Tool not starting:** Ensure the battery is fully charged and correctly inserted. Check if the forward/reverse switch is in a neutral position (some tools have a lock-out feature in neutral).
- **Reduced power/performance:** The battery might be low on charge. Recharge the battery. Ensure the correct torque setting is selected for the task.
- **Excessive vibration or noise:** Check that the socket is securely attached. Inspect the tool for any visible damage or loose parts. Stop using the tool if unusual noises persist.
- **LED work light not functioning:** Check for battery charge. If the issue persists, contact customer support.

For problems not listed here, or if the issue persists after troubleshooting, please contact PSIDE customer support.

## 7. SPECIFICATIONS

Feature	Specification
Model Number	PPDSSA 12 A1
Loosening Torque (max.)	350 Nm
Torque Stages	85 / 125 / 200 / 300 Nm (4 stages)
No-load Speed Stages	1200 / 1700 / 2100 / 2700 min <sup>-1</sup> (4 stages)
Impact Rate Stages	1100 / 2100 / 2600 / 3200 min <sup>-1</sup> (4 stages)
Tool Holder	1/2 inch external square
Material	Plastic
Dimensions (L x W x H)	Approx. 186 x 126.5 x 68 mm
Weight (without battery)	Approx. 900 g
Voltage	12 Volt
Battery Type	Lithium-Ion
Battery Capacity	4 Ah (included)
Included Accessories	4 Impact Wrench Sockets (17, 19, 21, 23 mm, 75 mm length), Plastic Case, 4Ah Battery, Charger

## 8. WARRANTY AND SUPPORT

For information regarding warranty coverage, terms, and conditions, please refer to the documentation provided with your purchase or visit the official PSIDE website. In case of technical issues, questions, or the need for spare parts, please contact PSIDE customer support directly. Ensure you have your product model number (PPDSSA 12 A1) and proof of purchase available when contacting support.