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## TPDL CTC720

# TPDL CTC720 Battery Charger Instruction Manual

Model: CTC720

## 1. PRODUCT OVERVIEW

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The TPDL CTC720 charger is designed to provide efficient and reliable charging for 18V lithium-ion batteries, serving as a direct replacement for Snap-On CTC720 chargers. It is compatible with various Snap-On 18V battery models, ensuring your power tools are always ready for use. This charger features intelligent indicators and multiple protection mechanisms for safe and effective operation.



Image 1.1: The TPDL CTC720 charger, shown with a European-style power plug and a battery inserted for charging. This image provides a general view of the product's design and form factor.

## 2. SETUP INSTRUCTIONS

1. **Unpacking:** Carefully remove the charger from its packaging. Inspect the charger for any signs of damage during transit. If any damage is observed, do not proceed with setup and contact customer support.
2. **Power Connection:** Connect the charger's power cord to a standard 110-260VAC, 50-60Hz electrical outlet. Ensure the outlet is easily accessible and provides stable power.
3. **Placement:** Place the charger on a stable, flat, and dry surface. Ensure adequate ventilation around the charger to prevent overheating during operation. Avoid placing it on flammable surfaces or near heat sources.



Image 2.1: Top-down view of the TPDL CTC720 charger, featuring a US-style power plug. This image highlights the charger's interface and the connection point for the battery.

### 3. OPERATING INSTRUCTIONS

#### 3.1. Charging a Battery

1. Ensure the charger is connected to a power source.
2. Align the battery with the charging slot on the charger.
3. Slide the battery firmly into the slot until it clicks into place.

4. The charger's indicator light will illuminate to show the charging status.

### 3.2. Indicator Lights

The TPDL CTC720 charger is equipped with an intelligent indicator system to communicate the battery's charging status:

- **Red Indicator Light:** Indicates that the battery is currently charging.
- **Green Indicator Light:** Indicates that the battery is fully charged and ready for use.

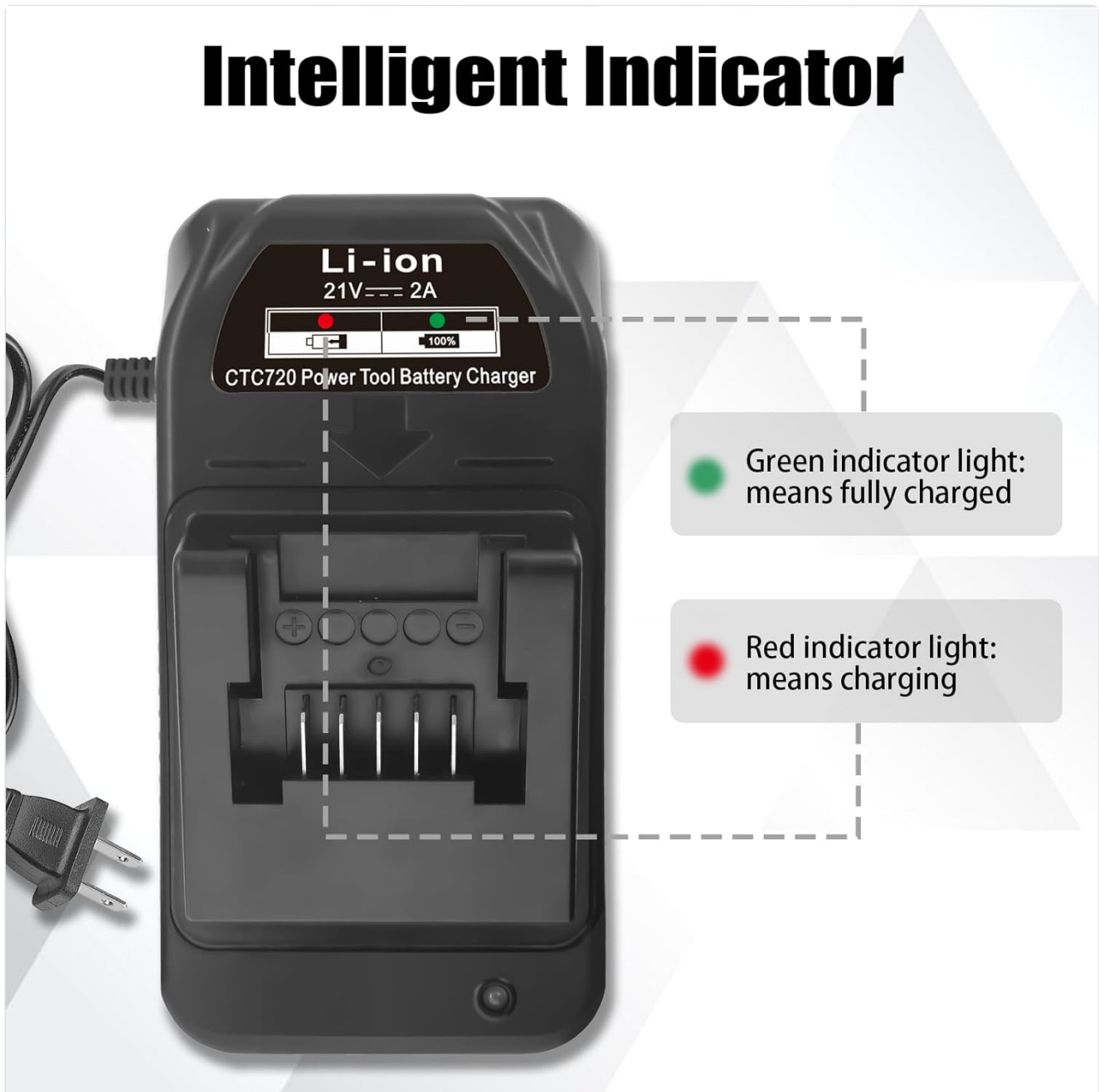


Image 3.1: Close-up view of the charger's intelligent indicator, illustrating the meaning of the red light (charging) and green light (fully charged).

### 3.3. Compatible Batteries

This charger is designed to replace the Snap-On CTC720 charger and is compatible with the following 18V lithium-ion battery models:

- Snap-On CTB8185
- Snap-On CT7850

- Snap-On CDR7850H
- Snap-On CTL7850
- Snap-On CTB7185
- Snap-On CTB8187

## CTC720 Charger for Snap On 18V Lithium Battery



CTB7185



CT7850



CTL7850

Image 3.2: Visual representation of the TPDL CTC720 charger alongside compatible Snap-On 18V lithium batteries, including models CTB7185, CT7850, and CTL7850.

## 4. MAINTENANCE AND SAFETY

### 4.1. Cleaning and Storage

- **Cleaning:** Disconnect the charger from the power outlet before cleaning. Use a soft, dry cloth to wipe down the exterior of the charger. Do not use abrasive cleaners or solvents. Ensure no moisture enters the charger.
- **Storage:** Store the charger in a cool, dry place away from direct sunlight, excessive heat, and moisture. When

not in use, it is recommended to disconnect the charger from the power outlet.

## 4.2. Safety Precautions and Protection Features

The TPDL CTC720 charger incorporates multiple protection features to ensure safe charging and prolong the life of your batteries:

- **Over-heating Protection:** Automatically shuts down if the charger's temperature exceeds safe limits.
- **Short-circuit Protection:** Prevents damage from electrical shorts.
- **Over-charge Protection:** Stops charging once the battery reaches full capacity to prevent overcharging.
- **Over-voltage Protection:** Safeguards against damage from excessive input voltage.

Always ensure the charger is used in a well-ventilated area. Do not attempt to charge damaged or non-compatible batteries. If the charger or battery becomes excessively hot during charging, disconnect it immediately and allow it to cool before further inspection.



Image 4.1: Diagram illustrating the multiple protection features integrated into the TPDL CTC720 charger, including over-heating, short-circuit, over-charge, and over-voltage protection.

## 5. TROUBLESHOOTING

If you encounter issues with your TPDL CTC720 charger, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
Charger indicator light does not illuminate.	No power to the charger; faulty outlet; loose connection; damaged charger.	Check power outlet and cord connection. Try a different outlet. Ensure battery is properly seated. If problem persists, charger may be faulty.
Battery is not charging (red light not on).	Battery not properly inserted; battery is already fully charged; battery is faulty; charger is faulty.	Re-insert battery firmly. Check if green light is on (battery fully charged). Test with a different, known-good battery.
Charger or battery becomes excessively hot.	Poor ventilation; faulty battery; internal charger issue.	Disconnect immediately. Ensure charger is in a well-ventilated area. Do not use a battery that becomes excessively hot. Contact support if issue persists.
Green light is on, but battery seems to drain quickly.	Battery nearing end of life; battery not holding charge.	This indicates a potential issue with the battery itself, not the charger. Consider replacing the battery.

If these troubleshooting steps do not resolve the issue, please refer to the Warranty and Support section for further assistance.

## 6. SPECIFICATIONS

<b>Model</b>	CTC720
<b>Input Voltage</b>	110 ~ 260VAC, 50-60Hz
<b>Output Voltage</b>	18V DC
<b>Output Current</b>	2.0A
<b>Product Dimensions</b>	6.2 x 3.7 x 3.14 inches (15.75 x 9.4 x 7.98 cm)
<b>Item Weight</b>	14.4 ounces (408 grams)
<b>Color</b>	Black
<b>Manufacturer</b>	TPDL

## 7. WARRANTY INFORMATION

The TPDL CTC720 charger comes with a **6-month warranty** from the date of purchase. This warranty covers

defects in materials and workmanship under normal use. It does not cover damage resulting from misuse, abuse, unauthorized modification, or natural disasters.

Please retain your proof of purchase for warranty claims.

## **8. CUSTOMER SUPPORT**

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For any questions, technical assistance, or warranty claims regarding your TPDL CTC720 charger, please contact the seller or manufacturer directly through the platform where the product was purchased. Provide your product model number (CTC720) and purchase details for faster service.