

## Stihl AP 300 S (Model 48504006580)

# Stihl AP 300 S Lithium-Ion Battery User Manual

Model: 48504006580



## 1. PRODUCT OVERVIEW

The Stihl AP 300 S is a high-performance lithium-ion battery designed for use with the Stihl PRO battery system. It provides a voltage of 36 V and a rated energy content of 281 Wh, ensuring extended running times for compatible Stihl battery-powered tools. The battery features an integrated LED charge status indicator for convenient monitoring.



Image: Stihl AP 300 S Lithium-Ion Battery, showcasing its black and orange casing with the Stihl logo and charge indicator.

## 2. SAFETY INFORMATION

Always prioritize safety when handling and operating the battery. Failure to follow these instructions may result in serious injury or property damage.

- **Read the Manual:** Before first use, thoroughly read and understand all instructions provided in this manual and the manual for your Stihl tool and charger.
- **Compatibility:** Use only with Stihl PRO battery system tools and Stihl AL 101, AL 300, or AL 500 chargers.

Using incompatible chargers or tools can damage the battery and pose safety risks.

- **Avoid Damage:** Do not drop, puncture, or disassemble the battery. If the battery is damaged, do not use it.
- **Temperature Control:** Do not expose the battery to extreme temperatures (above 122°F / 50°C or below -4°F / -20°C). Avoid direct sunlight and store in a cool, dry place.
- **Moisture Protection:** Keep the battery dry. Do not expose it to rain, moisture, or liquids.
- **Fire Hazard:** Do not incinerate the battery. It may explode.
- **Disposal:** Dispose of batteries responsibly according to local regulations. Do not dispose of in household waste.
- **Children and Pets:** Keep batteries out of reach of children and pets.

## 3. SETUP AND INITIAL CHARGING

### 3.1 Unpacking

Carefully remove the Stihl AP 300 S battery from its packaging. Inspect for any signs of damage. The package typically contains one battery.

### 3.2 Initial Charging

1. Connect a compatible Stihl charger (AL 101, AL 300, or AL 500) to a power outlet.
2. Slide the AP 300 S battery onto the charger until it clicks into place.
3. The LED indicators on the battery and/or charger will illuminate to show the charging status. Refer to the charger's manual for specific indicator meanings.
4. Allow the battery to fully charge before first use. A full charge is indicated when all LED segments on the battery are steadily lit.

### 3.3 Inserting and Removing the Battery

- **Inserting:** Align the battery with the battery compartment of your Stihl tool and slide it in until it locks securely. Ensure it is fully seated.
- **Removing:** Press the release button(s) on the tool's battery compartment and slide the battery out.

## 4. OPERATING THE BATTERY

### 4.1 Checking Charge Status

Press the button next to the LED indicators on the battery. The number of illuminated LEDs indicates the approximate charge level:

- **4 LEDs:** Fully charged
- **3 LEDs:** Approximately 75% charged
- **2 LEDs:** Approximately 50% charged
- **1 LED:** Approximately 25% charged (recharge soon)
- **Flashing LEDs:** Indicates an error or low charge. Refer to the Troubleshooting section.

### 4.2 Usage with Stihl Tools

The AP 300 S battery is designed to power various Stihl PRO system tools, including leaf blowers, electric mowers, and other compatible equipment. Its high energy content allows for extended operation. Always ensure the battery is fully charged for optimal performance.

## 5. MAINTENANCE AND STORAGE

### 5.1 Cleaning

Wipe the battery casing with a clean, damp cloth. Do not use harsh chemicals or abrasive cleaners. Ensure the battery terminals are clean and free of debris. Do not immerse the battery in water.

### 5.2 Storage

- Store the battery in a cool, dry place, away from direct sunlight and extreme temperatures.
- For long-term storage, it is recommended to store the battery with a charge level between 40% and 60% (2-3 LEDs illuminated).
- Periodically check the charge level during long storage periods and recharge if necessary to maintain battery health.

## 6. TROUBLESHOOTING

If you encounter issues with your Stihl AP 300 S battery, refer to the following common troubleshooting steps:

Problem	Possible Cause	Solution
Battery not charging	Charger not plugged in; faulty charger; damaged battery; extreme temperature.	Ensure charger is properly connected. Try a different outlet. Check charger for damage. Allow battery to reach room temperature. If problem persists, contact Stihl service.
Battery LEDs flashing rapidly	Battery too hot/cold; internal fault.	Allow battery to cool down or warm up to room temperature. If flashing continues, discontinue use and contact Stihl service.
Tool not operating with charged battery	Battery not fully inserted; tool fault; battery fault.	Ensure battery is securely clicked into the tool. Test battery with another compatible tool if available. If the issue is with the tool, refer to the tool's manual. If battery fault is suspected, contact Stihl service.

## 7. SPECIFICATIONS

<b>Brand:</b>	Stihl
<b>Model Number:</b>	48504006580
<b>Battery Type:</b>	Lithium Ion
<b>Voltage:</b>	36 V
<b>Energy Content:</b>	281 Wh
<b>Battery Capacity:</b>	4000 mAh
<b>Product Dimensions:</b>	3.94 x 7.09 x 2.76 inches
<b>Item Weight:</b>	3.96 pounds
<b>Compatible Chargers:</b>	Stihl AL 101, AL 300, AL 500
<b>Recommended Use:</b>	Power Tools (Stihl PRO System)

## 8. WARRANTY AND SUPPORT

For detailed warranty information, please refer to the official Stihl website or contact an authorized Stihl dealer. Keep your proof of purchase for warranty claims. For technical support or service, please contact Stihl customer service or visit a certified service center.

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### Related Documents - AP 300 S (Model 485040006580)

 STIHL AS 2	<p><a href="#"><u>STIHL AS 2 Battery Safety and Operating Instructions</u></a></p> <p>Comprehensive safety and technical information for the STIHL AS 2 battery, including usage, storage, maintenance, and disposal guidelines. Ensure safe operation of your STIHL battery-powered products.</p>
 AP	<p><a href="#"><u>STIHL AP Battery Manual: Safety, Operation, and Maintenance</u></a></p> <p>Comprehensive guide to the STIHL AP battery, covering safety instructions, operating procedures, charging, maintenance, and troubleshooting. Learn how to safely use and care for your STIHL AP battery for optimal performance.</p>
 AP	<p><a href="#"><u>STIHL AP Battery User Manual</u></a></p> <p>This manual provides essential safety information, operating instructions, and maintenance guidelines for STIHL AP series batteries. Learn about battery features, charging, troubleshooting, and proper disposal.</p>
 RMA 239.1 C	<p><a href="#"><u>STIHL RMA 239.1 C Gebrauchsanleitung</u></a></p> <p>Umfassende Bedienungsanleitung für den akkubetriebenen Rasenmäher STIHL RMA 239.1 C. Erfahren Sie mehr über sicheren Betrieb, Wartung und Fehlerbehebung für Ihr STIHL Produkt.</p>

 <p><b>STIHL</b></p> <p>RMA 235.1</p> <p>⚠</p>	<p><a href="#"><u>STIHL RMA 235.1 Gebrauchsanleitung: Sicherheit und Bedienung</u></a></p> <p>Umfassende Gebrauchsanleitung für den STIHL RMA 235.1 Akku-Rasenmäher. Erfahren Sie mehr über sichere Bedienung, Wartung, Fehlerbehebung und technische Daten.</p>
 <p><b>STIHL</b></p> <p>STIHL AR 900</p> <p>⚠</p>	<p><a href="#"><u>STIHL AR 900 Battery Backpack Instruction Manual - Safe Operation Guide</u></a></p> <p>Comprehensive instruction manual for the STIHL AR 900 battery backpack. Learn about safe operating procedures, assembly, charging, maintenance, and troubleshooting to ensure optimal performance and user safety.</p>