

## EGO Power+ ST1502SA

# EGO POWER+ 15" String Trimmer ST1502SA Instruction Manual

Model: ST1502SA | Brand: EGO Power+

## 1. INTRODUCTION

Thank you for choosing the EGO POWER+ 15" String Trimmer with Rapid Reload head. This battery-powered trimmer is designed for efficient and convenient yard maintenance, offering professional-grade performance for cutting weeds and grass.

Key features include:

- Professional-grade, dual feed spiral twist 0.095 inch cutting line.
- 15-inch cutting swath for effective coverage.
- High-Efficiency Brushless Motor for extended run times and low vibrations.
- IPX4 Weather Resistant design.
- Rapid-Reload head for quick and easy line replacement.
- Variable speed control for different trimming situations.
- Fan Cooled Charging System for optimal battery health.
- Includes a 56V 2.5Ah battery and standard charger.
- Compatible with all EGO tools, utilizing industry-leading ARC Lithium technology.



Figure 1: EGO POWER+ 15" String Trimmer ST1502SA with 2.5Ah Battery.

## 2. SAFETY INFORMATION

Always read and understand all safety warnings and instructions before operating this product. Failure to follow the warnings and instructions may result in electric shock, fire, and/or serious injury.

### General Safety Precautions:

- Wear appropriate personal protective equipment (PPE), including eye protection, long pants, and sturdy footwear.
- Keep children, bystanders, and pets at least 50 feet (15 meters) away from the operating area.
- Inspect the work area for objects that could be thrown or entangled in the cutting line.
- Do not operate the trimmer in wet conditions or rain.
- Ensure the battery is fully charged before use and removed when not in operation or during maintenance.

## Battery Safety:

- Use only EGO POWER+ batteries and chargers with this tool.
- Do not expose batteries to water or extreme temperatures.
- Store batteries in a cool, dry place away from direct sunlight.

## 3. COMPONENTS

The EGO POWER+ ST1502SA String Trimmer package includes the following components:

- String Trimmer Unit (Split Shaft)
- Rapid-Reload Trimmer Head with 0.095 inch Dual Twist Line
- 56V 2.5Ah ARC Lithium Battery (140 Wh)
- Standard Charger
- Hex Wrench
- Owner's Manual



Figure 2: EGO POWER+ 56V 2.5Ah Battery and Standard Charger.

## 4. SETUP

### 4.1 Assembly

The string trimmer features a split shaft design for easy assembly and storage. Connect the two shaft sections securely using the provided hex wrench. Attach the guard and auxiliary handle as per the detailed instructions in the included manual.

### 4.2 Charging the Battery

Before first use, fully charge the 56V 2.5Ah ARC Lithium battery. The standard charger features a fan-cooled system to prevent overheating and can fully charge the included 2.5Ah battery in approximately 50 minutes. The battery has an indicator to show its charge level.

## 4.3 Attaching the Battery

Align the battery with the battery port on the trimmer handle and slide it in until it clicks securely into place. Ensure the battery is firmly seated before operation.

## 4.4 Adjusting the Handle

The auxiliary handle can be adjusted along the shaft to provide optimal balance and comfort for the user. Loosen the handle clamp, position the handle, and then tighten the clamp securely.

Your browser does not support the video tag.

*Video 1: Overview of the EGO POWER+ String Trimmer, including battery installation and handle adjustment.*

# 5. OPERATING INSTRUCTIONS

## 5.1 Starting and Stopping

To start the trimmer, press the safety lock-off button and then squeeze the trigger. To stop, release the trigger.

## 5.2 Variable Speed Control

The trimmer features variable speed control, allowing you to adjust the cutting speed based on the density of the vegetation. Use lower speeds for lighter trimming and higher speeds for tougher weeds.



*Figure 3: Variable speed control on the EGO POWER+ String Trimmer.*

### **5.3 Trimming Techniques**

Hold the trimmer firmly with both hands. Use a sweeping motion, keeping the trimmer head parallel to the ground. Avoid hitting hard surfaces like concrete or rocks to prevent damage to the cutting line and head.

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*Video 2: Demonstration of the EGO POWER+ String Trimmer in action, showing its effectiveness in cutting grass and weeds.*

## **6. MAINTENANCE**

### **6.1 Cleaning**

After each use, remove the battery and clean the trimmer head and guard of any grass clippings or debris.

Use a damp cloth; do not use harsh chemicals.

## 6.2 Replacing Cutting Line (Rapid-Reload Head)

The Rapid-Reload head simplifies line replacement. To reload, align the arrows on the trimmer head, insert the new cutting line through the eyelets until it comes out the other side, and then twist the head to wind the line. No disassembly of the head is required.



*Figure 4: Close-up of the Rapid-Reload head for easy line replacement.*

## 6.3 Battery Care

Always store the battery in a charged state. If storing for extended periods, charge the battery every few months to maintain its health. The fan-cooled charging system helps protect the battery during charging.

## 7. TROUBLESHOOTING

Problem	Possible Cause	Solution
Trimmer does not start	Battery not inserted correctly or discharged. Safety lock-off not engaged.	Ensure battery is fully inserted and charged. Press safety lock-off before squeezing trigger.
Cutting line does not advance	Line is tangled or too short. Trimmer head is clogged.	Replace cutting line using the Rapid-Reload feature. Clear any debris from the trimmer head.
Reduced power during operation	Battery is low on charge. Trimmer head is overloaded.	Recharge the battery. Reduce the load on the trimmer head by taking smaller passes.

If you encounter issues not listed here, refer to the full owner's manual or contact EGO Power+ customer support.

## 8. SPECIFICATIONS

Feature	Specification
Brand	EGO Power+
Model Number	ST1502SA
Power Source	Battery Powered (56V ARC Lithium)
Cutting Swath	15 inches
Cutting Line Diameter	0.095 inches (Dual Feed Spiral Twist)
Motor Type	High-Efficiency Brushless Motor
Speed	Up to 5800 RPM (Variable Speed)
Item Weight	7.4 Pounds
Product Dimensions	71.7"L x 12.6"W
Battery Included	1 x 56V 2.5Ah (140 Wh) Lithium Polymer
Battery Average Life	50 minutes (with 2.5Ah battery)
Charger Included	Standard Charger (50-minute charge time for 2.5Ah battery)
Weather Resistance	IPX4
Required Assembly	Yes

## 9. WARRANTY AND SUPPORT

### 9.1 Warranty Information

The EGO POWER+ 15" String Trimmer ST1502SA comes with a **5-year tool warranty**. The included 56V 2.5Ah battery and charger are covered by a **3-year battery warranty**. Please retain your proof of purchase for warranty claims.



*Figure 5: EGO POWER+ Warranty details.*

### 9.2 Customer Support

For technical assistance, troubleshooting, or warranty service, please refer to the contact information provided in your owner's manual or visit the official EGO Power+ website.

