

EGO Power+ LM2142SP

EGO POWER+ 21" Self-Propelled Electric Lawn Mower (LM2142SP) Instruction Manual

Brand: EGO Power+ | Model: LM2142SP

1. INTRODUCTION AND OVERVIEW

The EGO POWER+ 21" Self-Propelled Electric Lawn Mower (LM2142SP) offers the power of a gas mower without the associated noise, mess, or fumes. Featuring EGO's innovative PeakPower technology, this mower combines the strength of two EGO POWER+ 56V ARC Lithium batteries to deliver exceptional performance and extended run time. Designed for efficiency and ease of use, it provides up to 80 minutes of cutting time on a single charge with the included 5.0 Ah batteries, making it suitable for various grass types and demanding mowing applications.

Its lightweight and sleek design allows for hassle-free maneuverability and compact storage. The advanced 56 Volt ARC Lithium batteries are compatible across all EGO POWER+ products, offering versatility and convenience.

2. SAFETY INFORMATION

WARNING: Keep out of reach of children.

Always read and understand the entire instruction manual before operating the lawn mower. Wear appropriate personal protective equipment, including eye protection, hearing protection, and sturdy footwear. Ensure the mowing area is clear of debris, rocks, and other objects that could be thrown by the blades. Never operate the mower in wet grass or rain. Disconnect the battery pack before performing any maintenance, cleaning, or when clearing a clogged chute.

3. PACKAGE CONTENTS

Your EGO POWER+ 21" Self-Propelled Electric Lawn Mower package includes:

- EGO POWER+ 21" Self-Propelled Electric Lawn Mower (LM2142SP)
- Two (2) EGO POWER+ 56V 5.0 Ah ARC Lithium Batteries
- One (1) EGO POWER+ Rapid Charger
- Grass Collection Bag

- Mulching Plug
- Side Discharge Chute

4. SETUP

4.1 Handle Assembly

The mower's handle features a quick-fold design for easy setup and storage. To extend the handle, release the clamps on the side rails and pull the handle upwards until it locks into place. Ensure both sides are securely locked before operation.



Image: EGO POWER+ Mower with handle extended, ready for use.

4.2 Battery Installation

Open the battery compartment cover located on top of the mower. Insert the 56V ARC Lithium battery into the slot until it clicks securely into place. The mower is designed to operate with one or two batteries for extended runtime. Close the battery compartment cover.



Image: Hand inserting EGO POWER+ 56V battery into the mower's battery compartment.

4.3 Grass Collection Bag / Mulching Plug / Side Discharge

Depending on your preference, attach the grass collection bag, insert the mulching plug, or attach the side discharge chute. The mower supports 3-in-1 functionality.



Image: EGO POWER+ Mower with grass collection bag attached.

5. OPERATING INSTRUCTIONS

5.1 Starting the Mower

To start the mower, press and hold the safety button, then pull the bail lever towards the handle. The mower will start instantly. Release the safety button once the mower is running.

5.2 Adjusting Cutting Height

The mower features a 1-handed height adjustment lever with 6 positions, ranging from 1.5" to 4". To adjust, simply move the lever to your desired cutting height.



Image: Close-up of the EGO POWER+ Mower's 6-position cutting height adjustment lever.

5.3 Using Self-Propel Function

Engage the self-propel lever on the handle. The variable speed control allows you to adjust the mowing speed from 0.9 MPH to 3.1 MPH to match your walking pace and lawn conditions. The self-propel feature can be engaged independently of the blades, allowing for easy transport across non-mowing areas.

5.4 LED Headlights

For improved visibility during early morning or late evening mowing, activate the bright LED headlights using the dedicated button on the handle.



Image: EGO POWER+ Mower with bright LED headlights illuminated.

5.5 Operational Videos

Video: Demonstrating the ease of use and self-propelled feature of the EGO POWER+ Lawn Mower.

Video: Detailed review highlighting the benefits and features of the EGO POWER+ 21" Self-Propelled Mower.

6. MAINTENANCE

6.1 Battery Charging

Charge the 56V ARC Lithium batteries using the provided rapid charger. A full charge can be achieved in approximately 40 minutes. Always ensure batteries are fully charged before extended use for optimal performance.



Image: Two EGO POWER+ 56V batteries charging on a rapid charger.

6.2 Cleaning the Mower Deck

Regularly clean the underside of the mower deck to prevent grass clippings buildup, which can affect cutting performance and battery life. Always remove the battery before cleaning.

6.3 Storage

The mower's handle folds compactly for convenient storage. For long-term storage, especially during off-season, store the batteries in a cool, dry place. EGO ARC Lithium batteries feature intelligent discharge to maintain battery health over extended periods of inactivity.



Image: EGO POWER+ Mower folded compactly for storage.

7. TROUBLESHOOTING

If the mower does not start or operate correctly, check the following:

- Ensure the battery is fully charged and properly inserted into the compartment.
- Verify that the handle is fully extended and locked into position.
- Check for any obstructions under the mower deck or in the grass chute.
- If the mower overheats, allow the battery and motor to cool down before resuming operation.

For persistent issues, refer to the detailed troubleshooting section in the full product manual or contact EGO Power+ customer support.

8. SPECIFICATIONS

Specification	Detail
Brand	EGO Power+

Model Number	LM2142SP
Power Source	Battery Powered (56V ARC Lithium)
Material	ABS plastic & Aluminium
Item Weight	62.6 Pounds
Operation Mode	Automatic, Self-Propelled
Product Dimensions	61.61"D x 22.92"W x 46.46"H
Cutting Height Adjustment	6-position (1.5" - 4")
Deck Size	21 inches
Batteries Included	Two (2) 56V 5.0Ah ARC Lithium
Run Time	Up to 80 minutes (with 2x 5.0Ah batteries)
Charge Time	Approx. 40 minutes (with Rapid Charger)

9. WARRANTY AND SUPPORT

The EGO POWER+ 21" Self-Propelled Electric Lawn Mower (LM2142SP) comes with a comprehensive warranty:

- **5-Year Tool Warranty:** Covers the lawn mower itself against defects in materials or workmanship.
- **3-Year Battery & Charger Warranty:** Covers the included 56V ARC Lithium batteries and rapid charger.



Image: EGO POWER+ 5-Year Tool Warranty and 3-Year Battery & Charger Warranty shields.
For warranty claims, technical support, or replacement parts, please refer to the contact information provided in your product packaging or visit the official EGO Power+ website.