Form No. 3424-971 Rev A

48V Standard Battery and Battery Charger

Model No. 88507—Serial No. 319000001 and Up

Model No. 88508—Serial No. 319000001 and Up

Model No. 88509—Serial No. 319000001 and Up

Operator's Manual

You may contact Toro directly at www.Toro.com for product and accessory information, help finding a dealer, the complete warranty details, or to register your product.

⚠ WARNING

CALIFORNIA
Proposition 65 Warning

The power cord on this product contains lead, a chemical known to the State of California to cause birth defects or other reproductive harm. Wash hands after handling.

Safety

IMPORTANT SAFETY INSTRUCTIONS—SAVE THESE INSTRUCTIONS.

SAVE THESE INSTRUCTIONS – This manual contains important safety and operating instructions for battery charger Models 88507 and 88510.

Before using battery charger, read all instructions and cautionary markings on battery charger, battery, and product using battery.

CAUTION – To reduce risk of injury, charge only 88508 88509 type rechargeable battery. Other types of batteries may burst causing personal injury and damage.

This device complies with Part 15 of the FCC rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

⚠ DANGER

Plugging the battery charger into an outlet that is not 120 volts can cause fire or electric shock.

- **Do not plug the battery charger into an outlet other than 120 volts.**
- **For connection to a supply not in the U.S.A., use an attachment plug adapter of the proper configuration for the power outlet, if needed.**

⚠ DANGER

Using the wrong plug for a power outlet can cause fire or electric shock.

For connection to a supply not in the U.S.A., use an attachment plug adapter of the proper configuration for the power outlet, if needed.

⚠ CAUTION

The battery used in this device may present a risk of fire or chemical burn if mistreated.

Do not disassemble, heat above 50° C (122° F), or incinerate. Replace battery with Toro genuine batteries only. Use of another battery may present a risk of fire or explosion.

⚠ CAUTION

Dispose of a used battery promptly. Keep away from children. Do not disassemble and do not dispose of in fire.

⚠ CAUTION

Overheating batteries can cause fire and severe burns.

Do not open, crush, heat above 50° C (122° F), or incinerate. Follow the manufacturer's instructions.

© 2018—The Toro® Company
8111 Lyndale Avenue South
Bloomington, MN 55420

Register at www.Toro.com.

Original Instructions (EN)
Printed in China
All Rights Reserved

3424-971 A

This power unit is intended to be correctly orientated in a vertical or floor mounted position.

DANGER – TO REDUCE THE RISK OF FIRE OR ELECTRIC SHOCK, CAREFULLY FOLLOW THESE INSTRUCTIONS.

Safety and Instructional Decals

Important: **Safety and instruction decals are located near areas of potential danger. Replace damaged decals.**



decal125-3240

125–3240



decal125-3299

125–3299



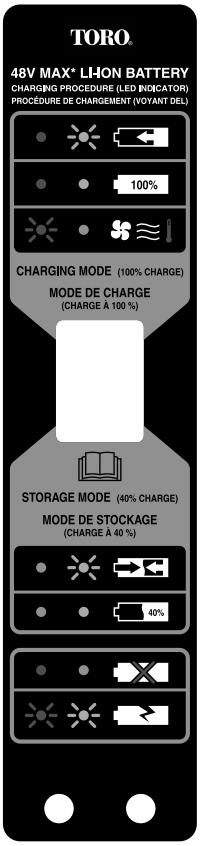
decal125-8298

125–8298



decal125-8299

125–8299



decal121-7654

121–7654

Charging the Battery Pack

Important: **For best results, your battery tool should be charged in a location where the temperature is more than 5° C (41° F) but less than 40° C (104° F). To reduce the risk of serious personal injury, do not store outside or in vehicles. Charging time will be increased if not charged within this range.**

1. If the power cord is not plugged in to the charger, plug it in to the charger (Figure 1), then plug the power cord into a power socket.
2. Turn the battery upside down and line up the battery terminal with the slot in the charger (Figure 1 and Figure 2).

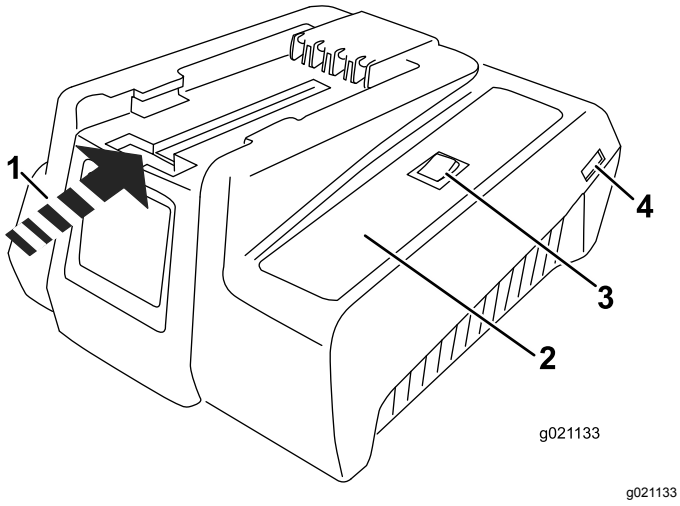


Figure 1

1. Insert battery here
2. LED indicators
3. Charge/storage mode switch
4. Power cord plug-in location

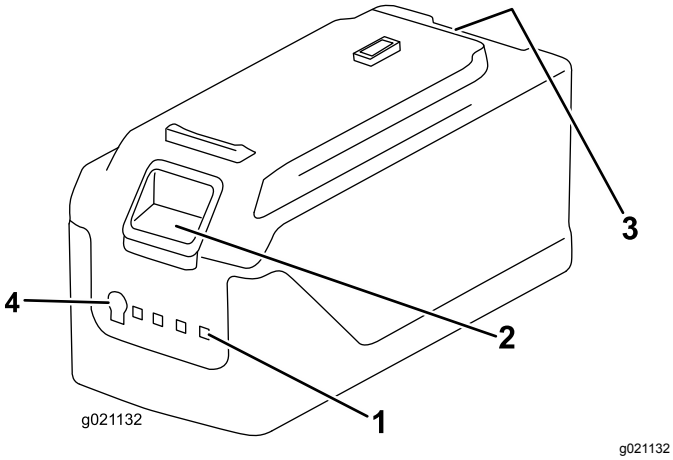


Figure 2

1. LED indicators (level of charge)
2. Release button
3. Battery terminal
4. Test button

3. Slide the battery into the charger until it clicks into place.
4. To remove the battery, press down on the release button and slide the battery backwards out of the charger.
5. Refer to Figure 3 to interpret the LED indicators on the battery charger.

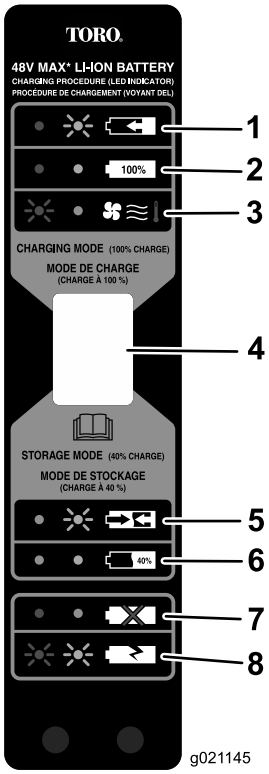


Figure 3

1. Red light on; green light flashing—battery is charging.
2. Red light on; green light on—battery is fully charged.
3. Red light flashing; green light off—abnormal battery temperature (greater than 50 C (122 F) or less than 0 C (32 F).
4. Charge/storage mode switch
5. Red light off; green light flashing—battery is preparing for storage.
6. Red light off; green light on—battery is prepared for storage.
7. Red light on; green light off—no battery inserted.
8. Red light flashing; green light flashing—battery is defective.

Storing a lithium-ion battery at 40% of its capacity maximizes battery life.

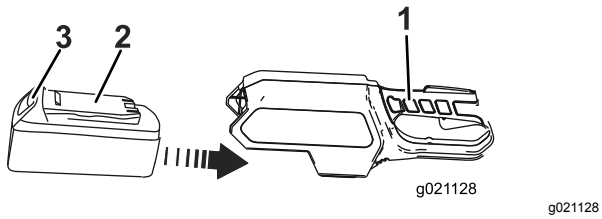
Use storage mode (Figure 3) when the battery will not be used for 1 month or longer.

1. Insert the battery into the charger.
2. Turn storage mode on.
3. The battery will charge or discharge as necessary to approximately 40% charge.

4. When the battery is ready for storage (Figure 3), remove the battery from the charger.

Inserting the Battery Into the Trimmer

1. Align the tongue of the battery pack with the cavity in the handle housing (Figure 4).



g021128

Figure 4

1. Trigger handle
2. Tongue
3. Latch

2. Grasp the trigger handle (Figure 4).
3. Push the battery pack into the handle until the latch locks into place.

Important: **The battery pack is not fully charged when it is purchased. Before using the trimmer for the first time, place the battery pack in the charger and charge it until the LED display indicates the battery is charged. Make sure to read all safety precautions. With regular use, it will need shorter charging time. If storing for 1 month or longer, remove the battery and use storage mode (Charging the Battery Pack (page 4)). When ready to use again, charge the battery pack until the LED display indicates the battery is charged.**

Battery Pack Preparation For Recycling

⚠ WARNING

Upon removal, cover the battery pack's terminals with heavy-duty adhesive tape. Do not attempt to destroy or disassemble the battery pack or remove any of its components. Lithium-ion batteries must be recycled or disposed of properly at the nearest battery recycling facility.

Troubleshooting

Using the battery when it is hot can reduce the operating time. The battery will automatically stop working when it is overheated to prevent damage to it. Remove the battery from the charger and allow it to cool before placing it back into the trimmer.

Using the battery when there is moisture on the leads can cause the trimmer to malfunction. Allow the battery to dry or wipe it dry before placing it back into the trimmer.

Notes:

California Proposition 65 Warning Information

What is this warning?

You may see a product for sale that has a warning label like the following:



WARNING: Cancer and Reproductive Harm—www.p65Warnings.ca.gov.

What is Prop 65?

Prop 65 applies to any company operating in California, selling products in California, or manufacturing products that may be sold in or brought into California. It mandates that the Governor of California maintain and publish a list of chemicals known to cause cancer, birth defects, and/or other reproductive harm. The list, which is updated annually, includes hundreds of chemicals found in many everyday items. The purpose of Prop 65 is to inform the public about exposure to these chemicals.

Prop 65 does not ban the sale of products containing these chemicals but instead requires warnings on any product, product packaging, or literature with the product. Moreover, a Prop 65 warning does not mean that a product is in violation of any product safety standards or requirements. In fact, the California government has clarified that a Prop 65 warning "is not the same as a regulatory decision that a product is 'safe' or 'unsafe.'" Many of these chemicals have been used in everyday products for years without documented harm. For more information, go to https://oag.ca.gov/prop65/faqs-view-all.

A Prop 65 warning means that a company has either (1) evaluated the exposure and has concluded that it exceeds the "no significant risk level"; or (2) has chosen to provide a warning based on its understanding about the presence of a listed chemical without attempting to evaluate the exposure.

Does this law apply everywhere?

Prop 65 warnings are required under California law only. These warnings are seen throughout California in a wide range of settings, including but not limited to restaurants, grocery stores, hotels, schools, and hospitals, and on a wide variety of products. Additionally, some online and mail order retailers provide Prop 65 warnings on their websites or in catalogs.

How do the California warnings compare to federal limits?

Prop 65 standards are often more stringent than federal and international standards. There are various substances that require a Prop 65 warning at levels that are far lower than federal action limits. For example, the Prop 65 standard for warnings for lead is 0.5 µg/day, which is well below the federal and international standards.

Why don't all similar products carry the warning?

- Products sold in California require Prop 65 labelling while similar products sold elsewhere do not.
- A company involved in a Prop 65 lawsuit reaching a settlement may be required to use Prop 65 warnings for its products, but other companies making similar products may have no such requirement.
- The enforcement of Prop 65 is inconsistent.
- Companies may elect not to provide warnings because they conclude that they are not required to do so under Prop 65; a lack of warnings for a product does not mean that the product is free of listed chemicals at similar levels.

Why does Toro include this warning?

Toro has chosen to provide consumers with as much information as possible so that they can make informed decisions about the products they buy and use. Toro provides warnings in certain cases based on its knowledge of the presence of one or more listed chemicals without evaluating the level of exposure, as not all the listed chemicals provide exposure limit requirements. While the exposure from Toro products may be negligible or well within the "no significant risk" range, out of an abundance of caution, Toro has elected to provide the Prop 65 warnings. Moreover, if Toro does not provide these warnings, it could be sued by the State of California or by private parties seeking to enforce Prop 65 and subject to substantial penalties.



Count on it.