



## 48V Battery Pack/Charger

Model No. 88507—Serial No. 314000001 and Up

Model No. 88508—Serial No. 314000001 and Up

Model No. 88509—Serial No. 314000001 and Up

Model No. 88510—Serial No. 314000001 and Up

## Operator's Manual

# Safety

### ⚠ WARNING

#### CALIFORNIA Proposition 65 Warning

This product contains a chemical or chemicals known to the State of California to cause cancer, birth defects, or reproductive harm.

## 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.

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.

**TORO** 48V MAX\* DC 86 Wh  
Li-Ion Battery / Batterie au lithium-ion

\*Maximum initial voltage without workload, as rated by battery manufacturer. Under workload, nominal voltage is 43.2V DC .

\*Tension initiale maximale sans charge, telle qu'indiquée par le fabricant de la batterie. Mesurée sous charge, la tension nominale est de 43.2 V DC .

**WARNING** To reduce the risk of injury, user must read the instruction manual. Wear eye protection. Do not short terminals. Do not throw into fire. Use only with Toro battery charger 88507 & 88510. When charging make sure temperature is between 5° to 40°C (41° to 104°F), -10° to 45°C (14° to 113°F) for discharge. Risk of fire, explosion and burns. Do not disassemble, crush, expose to heat above 100°C (212°F) or incinerate. Keep battery out of reach of children. To reduce risk of injury to persons, remove battery pack when not in use.

**AVERTISSEMENT** Pour réduire le risque de blessures, l'utilisateur doit lire le manuel d'utilisation. Portez des lunettes de protection. Ne pas court-circuiter. Ne jetez pas au feu. Utilisez uniquement avec chargeur de batterie Toro 88507 & 88510. Lorsque vous chargez la batterie, assurez-vous que la température est de 5 à 40 °C (41 à 104 °F), -10 à 45 °C (14 à 113 °F) pour la décharge. Risque d'incendie, d'explosion et des brûlures. Ne pas démonter, écraser, exposer à une température au-dessus de 100 °C (212 °F) ou incinérer. Conservez la batterie hors de portée des enfants. Pour réduire les risques de blessures corporelles, retirez l'ensemble batterie quand la machine ne sert pas.

Country of Origin: China / Pays d'origine : Chine

Model: **88508**  
Modèle: **88508**

Serial Number:   
Numéro de série:

Date Code:   
Code de date:

MH46448

125-3240

**TORO**

LITHIUM-ION BATTERY CHARGER  
CHARGEUR DE BATTERIE LITHIUM-ION  
Input: 100-240V AC 50/60Hz Max 1.6A  
Output: 48V MAX\* DC 2A

\*Maximum initial voltage without workload, as rated by battery manufacturer. Under workload, nominal voltage is 43.2V DC .

\*Tension initiale maximale sans charge, telle qu'indiquée par le fabricant de la batterie. Mesurée sous charge, la tension nominale est de 43.2 V DC .

**CAUTION** To reduce the risk of injury, user must read the instruction manual. Charge only 88508 or 88509 type rechargeable battery. Other types of batteries may burst causing personal injury and damage. Risk of electric shock. Do not expose to liquid, vapor, or rain. Do not interconnect output terminal. For indoor use only.

**ATTENTION** Pour réduire le risque de blessures, l'utilisateur doit lire le manuel d'utilisation. Utilisez uniquement pour les batteries rechargeables type 88508 ou 88509. D'autres types de batteries pourraient exploser et causer des blessures ou des dommages. Risque de décharge électrique. Ne pas exposer à des liquides, à la vapeur ou à la pluie. Ne pas interconnecter la borne de sortie. Pour usage intérieur uniquement. Backfeed Protection / Protection contre le retour d'énergie

THE TORO COMPANY  
8111 Lyndale Avenue South  
Bloomington, MN 55420-1196 USA  
Country of Origin: China / Pays d'origine : Chine  
Manufactured by CHANGZHOU GLOBE CO.,LTD  
Fabrique par CHANGZHOU GLOBE CO.,LTD

E365782  
 US LISTED

Model: **88507** SL  
Modèle: **88507** SL

Serial Number:   
Numéro de série:

Date Code:   
Code de date:

125-8298

**TORO** 48V MAX\* DC 172 Wh  
Li-Ion Battery / Batterie au lithium-ion

\*Maximum initial voltage without workload, as rated by battery manufacturer. Under workload, nominal voltage is 43.2V DC .

\*Tension initiale maximale sans charge, telle qu'indiquée par le fabricant de la batterie. Mesurée sous charge, la tension nominale est de 43.2 V DC .

**WARNING** To reduce the risk of injury, user must read the instruction manual. Wear eye protection. Do not short terminals. Do not throw into fire. Use only with Toro battery charger 88507 & 88510. When charging make sure temperature is between 5° to 40°C (41° to 104°F), -10° to 45°C (14° to 113°F) for discharge. Risk of fire, explosion and burns. Do not disassemble, crush, expose to heat above 100°C (212°F) or incinerate. Keep battery out of reach of children. To reduce risk of injury to persons, remove battery pack when not in use.

**AVERTISSEMENT** Pour réduire le risque de blessures, l'utilisateur doit lire le manuel d'utilisation. Portez des lunettes de protection. Ne pas court-circuiter. Ne jetez pas au feu. Utilisez uniquement avec chargeur de batterie Toro 88507 & 88510. Lorsque vous chargez la batterie, assurez-vous que la température est de 5 à 40 °C (41 à 104 °F), -10 à 45 °C (14 à 113 °F) pour la décharge. Risque d'incendie, d'explosion et des brûlures. Ne pas démonter, écraser, exposer à une température au-dessus de 100 °C (212 °F) ou incinérer. Conservez la batterie hors de portée des enfants. Pour réduire les risques de blessures corporelles, retirez l'ensemble batterie quand la machine ne sert pas.

Country of Origin: China / Pays d'origine : Chine

Model: **88509**  
Modèle: **88509**

Serial Number:   
Numéro de série:

Date Code:   
Code de date:

MH46448

125-3299

**TORO**

LITHIUM-ION BATTERY RAPID CHARGER  
CHARGEUR RAPIDE DE BATTERIE LITHIUM-ION  
Input: 100-120V AC 50/60Hz Max 3.5A  
Output: 48V MAX\* DC 3.8A

\*Maximum initial voltage without workload, as rated by battery manufacturer. Under workload, nominal voltage is 43.2V DC .

\*Tension initiale maximale sans charge, telle qu'indiquée par le fabricant de la batterie. Mesurée sous charge, la tension nominale est de 43.2 V DC .

**CAUTION** To reduce the risk of injury, user must read the instruction manual. Charge only 88508 or 88509 type rechargeable battery. Other types of batteries may burst causing personal injury and damage. Risk of electric shock. Do not expose to liquid, vapor, or rain. Do not interconnect output terminal. For indoor use only.

**ATTENTION** Pour réduire le risque de blessures, l'utilisateur doit lire le manuel d'utilisation. Utilisez uniquement pour les batteries rechargeables type 88508 ou 88509. D'autres types de batteries pourraient exploser et causer des blessures ou des dommages. Risque de décharge électrique. Ne pas exposer à des liquides, à la vapeur ou à la pluie. Ne pas interconnecter la borne de sortie. Pour usage intérieur uniquement. Backfeed Protection / Protection contre le retour d'énergie

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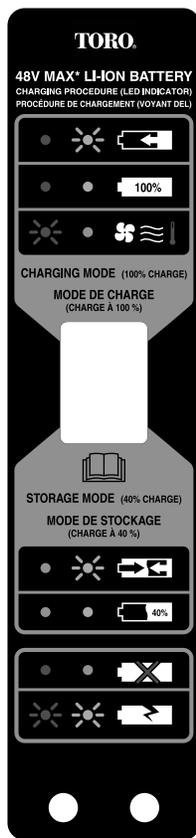
E365782  
 US LISTED

Model: **88510** SL  
Modèle: **88510** SL

Serial Number:   
Numéro de série:

Date Code:   
Code de date:

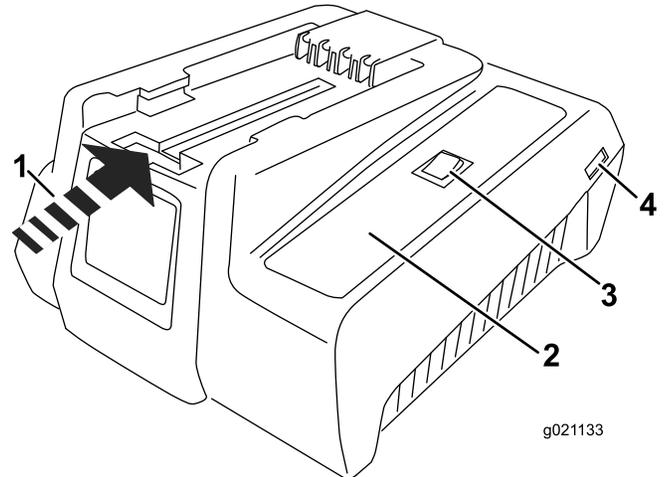
125-8299



## Charging the Battery Pack

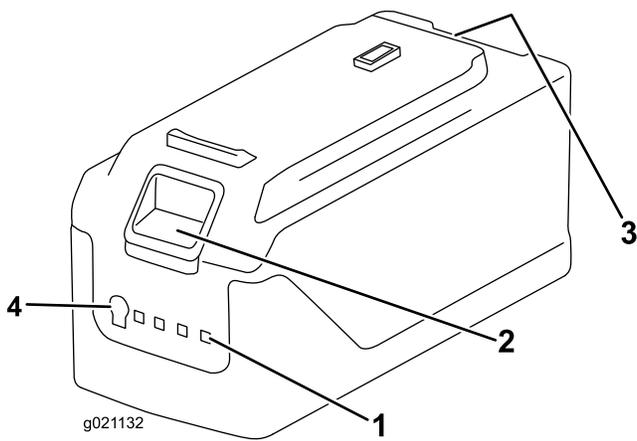
**Important:** For best results, your battery tool should be charged in a location where the temperature is more than 5° C (41° F) but less than 40° C (104° F). To reduce the risk of serious personal injury, do not store outside or in vehicles. Charging time will be increased if not charged within this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



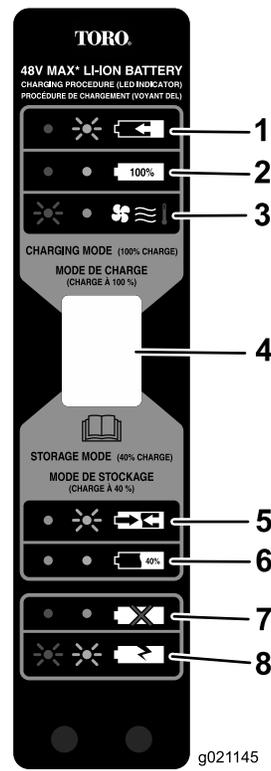
**Figure 1**

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



**Figure 2**

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



**Figure 3**

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.

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

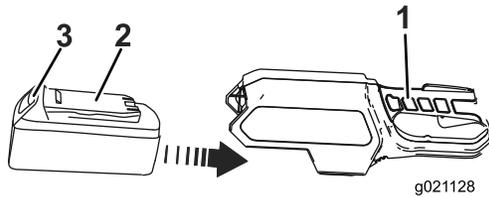


Figure 4

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 3)). 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:**

**Notes:**

## The Toro Promise - Electric Products

### A Three-Year Full Warranty for Residential Use for the United States and Canada

The Toro Company and its affiliate, Toro Warranty Company, pursuant to an agreement between them, jointly warrant this product for three years against defects in material or workmanship when used for normal residential purposes.\*

If you think your Toro Product contains a defect in materials or workmanship, if you have questions or problems, and before returning this product call toll free:

**Trimmers:**

1-800-237-2654 (US)  
1-800-248-3258 (Canada)

**Blowers:**

1-888-367-6631 (US)  
1-888-430-1687 (Canada)

**Snowthrowers:**

1-800-808-2963 (US)  
1-800-808-3072 (Canada)

To receive a replacement or repair, at our option, return the complete unit to the seller. United States and Canada customers may return their product, with proof of purchase, to any Authorized Service Dealer. United States customers may also return their product, with proof of purchase, postage prepaid, to the Toro Service Center, 5500 SE Delaware, Ankeny, IA 50021.

This warranty covers product defects only. **Neither The Toro Company nor Toro Warranty Company is liable for indirect, incidental, or consequential damages in connection with the use of the Toro Products covered by this warranty, including any cost or expense of providing substitute equipment or service during reasonable periods of malfunction or non-use pending completion of repairs under this warranty. Some states do not allow exclusions of incidental or consequential damages, so the above exclusions may not apply to you.** This warranty gives you specific legal rights, and you may also have other rights which vary from state to state.

### Countries Other than the United States and Canada

Customers who have purchased Toro products exported from the United States or Canada should contact their Toro Distributor (Dealer) to obtain guarantee policies for your country, province, or state. If for any reason you are dissatisfied with your Distributor's service or have difficulty obtaining guarantee information, contact the Toro importer. If all other remedies fail, you may contact us at Toro Warranty Company.

### Australian Consumer Law

Australian customers will find details relating to the Australian Consumer Law either inside the box or at your local Toro Dealer.

\* Residential use means use of the product on the same lot as your home.

Part Number 374-0262 Rev. F