



48V Battery and Charger

Model No. 88507

Model No. 88508

Model No. 88509

Model No. 88510

Operator's Manual

Safety

Important safety instructions—Save these instructions.

▲ 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.

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 :
Serial Number:
Numéro de série :
Date Code:
Code de date :


MH46448

125-3240



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 : 
Serial Number:
Numéro de série : 
Date Code:
Code de date : 

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


125-3299

TORO

LITHIUM-ION BATTERY RAPID CHARGER
CHARGEUR RAPIDE DE BATTERIE LITHIUM-ION
Input: 100-240V AC 50/60Hz Max 1.9A
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 .

WARNING To reduce the risk of injury, user must read the instruction manual. Use only with 88508 & 88509 Lithium-ion Battery Pack. Caution - Risk of electric shock. Do not expose to liquid, vapor, or rain. Do not interconnect output terminal. For indoor use only.

AVERTISSEMENT Pour réduire le risque de blessures, l'utilisateur doit lire le manuel d'utilisation. Utiliser uniquement avec 88508 & 88509 Lithium-ion Battery Pack. Attention - Risque de décharge électrique. Ne pas exposer à des liquides, à la vapeur ou à la pluie. N'interconnectez pas 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
Fabriqué par CHANGZHOU GLOBE CO., LTD

Model: **88510** SL
Modèle : 
Serial Number:
Numéro de série : 
Date Code:
Code de date : 




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BATTERY CHARGER




121-7653

TORO

LITHIUM-ION BATTERY CHARGER
CHARGEUR 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 .

WARNING To reduce the risk of injury, user must read the instruction manual. Use only with 88508 & 88509 Lithium-ion Battery Pack. Caution - Risk of electric shock. Do not expose to liquid, vapor, or rain. Do not interconnect output terminal. For indoor use only.

AVERTISSEMENT Pour réduire le risque de blessures, l'utilisateur doit lire le manuel d'utilisation. Utiliser uniquement avec 88508 & 88509 Lithium-ion Battery Pack. Attention - Risque de décharge électrique. Ne pas exposer à des liquides, à la vapeur ou à la pluie. N'interconnectez pas 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
Fabriqué par CHANGZHOU GLOBE CO., LTD

Model: **88507** SL
Modèle : 
Serial Number:
Numéro de série : 
Date Code:
Code de date : 



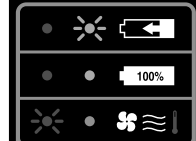
218549
BATTERY CHARGER



125-3225

TORO

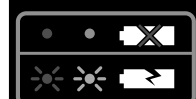
48V MAX* L-Ion BATTERY
CHARGING PROCEDURE (LED INDICATOR)
PROCÉDURE DE CHARGEMENT (VOYANT DEL)



CHARGING MODE (100% CHARGE)
MODE DE CHARGE
(CHARGE À 100 %)



STORAGE MODE (40% CHARGE)
MODE DE STOCKAGE
(CHARGE À 40 %)



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).

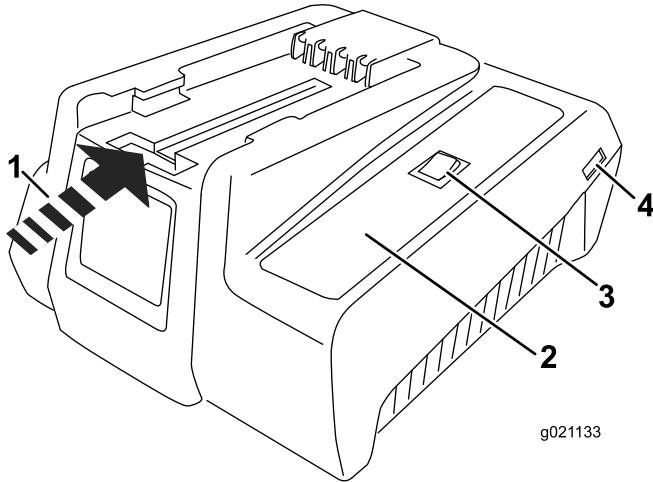


Figure 1

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

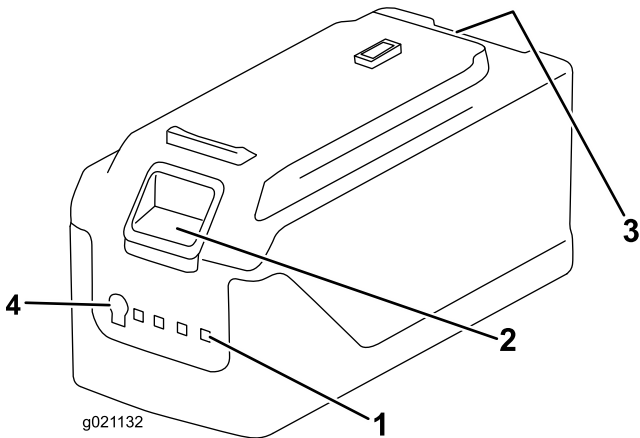


Figure 2

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

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.

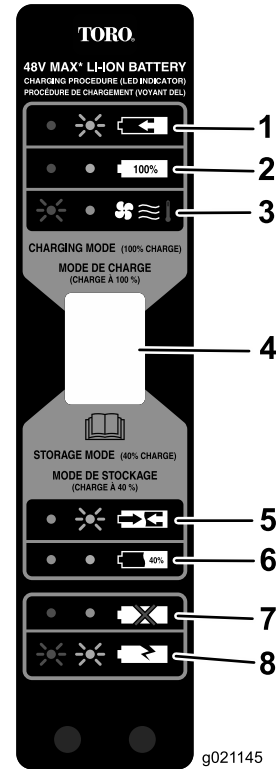


Figure 3

- | | |
|---|--|
| 1. Red light on; green light flashing—battery is charging. | 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).

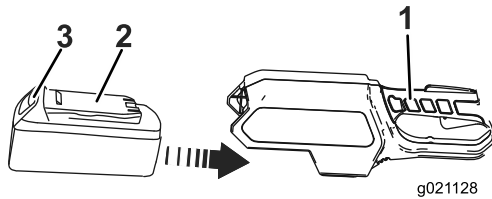


Figure 4

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.