Form No. 3377-774 Rev A

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.**



125–3240

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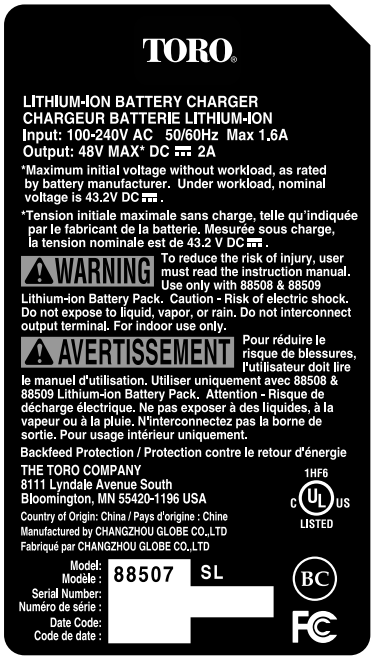
Register at www.Toro.com.

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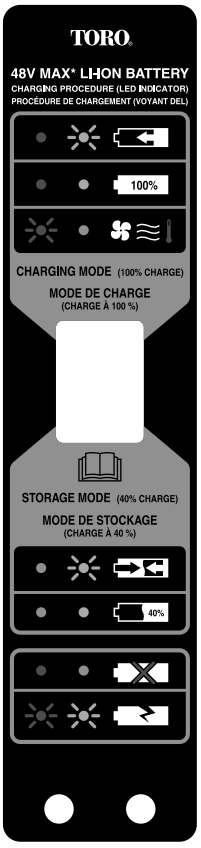
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125–3225



121–7653



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).

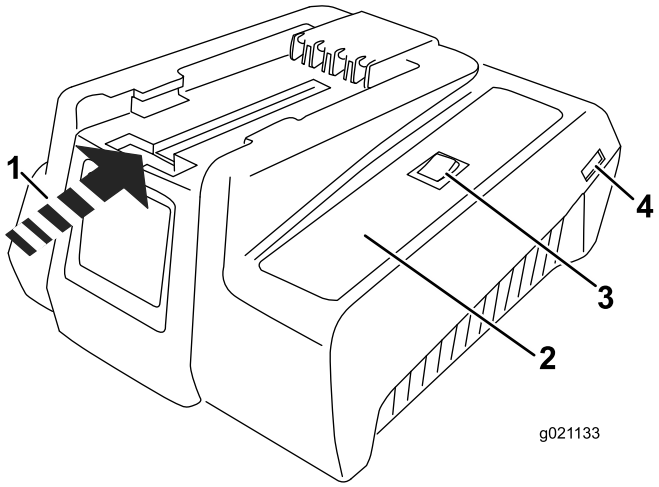


Figure 1

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

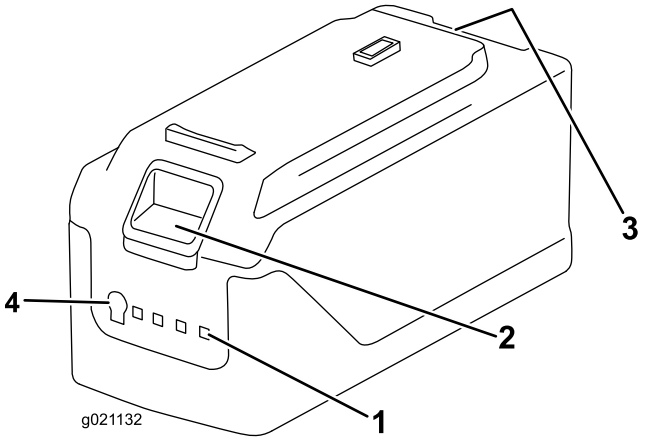


Figure 2

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.

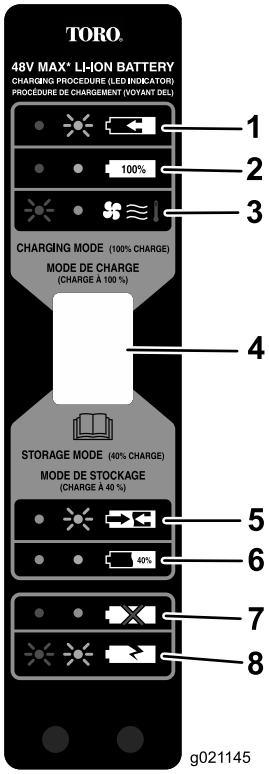


Figure 3

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).

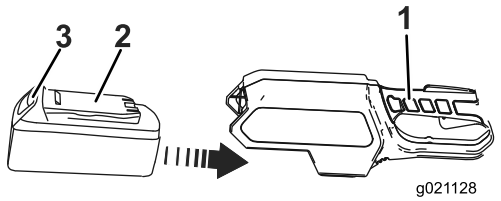


Figure 4

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.