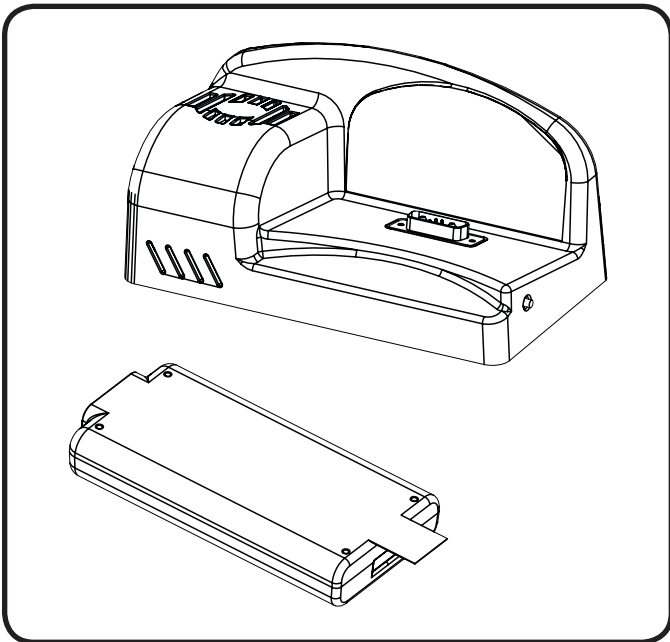


Instruction Guide | MTI Batteries & Charger G2

U.S. & Canada (888) 520-4998 | International (801) 875-4998 | www.MTI.net



⚠ WARNING/AVERTISSEMENT

See main equipment's User Manual for use instructions and all symbols, warnings, and cautions.

Consultez le manuel d'utilisation de l'appareil principal pour les instructions d'utilisation et tous les symboles, les avertissements et mises en garde.

Required Tools

none

This manual is for the following part numbers:

PART NUMBER	DESCRIPTION
130-2701	Charger, 36-38VDC, 2.7A, Recalibrating
130-1300	Battery, 28.8V 2.5Ah Li-Ion

REVISION HISTORY TABLE

DATE	REVISION	CO#/ECO#	DETAILS
8/12/2019	A	CO-0244	Initial release

⚠ WARNING/AVERTISSEMENT

Read this manual before installation and use.

Lisez ce manuel avant l'installation et l'utilisation.

⚠ CAUTION/PRÉCAUTION

Do not remove or withdraw the battery from the battery holster while the chair is being operated, as damage to the battery may result.

Ne pas enlever ou retirer la batterie de l'étui de la batterie tandis que la chaise est actionnée, car les dommages à la batterie peut entraîner.

⚠ CAUTION/PRÉCAUTION

Do not operate the chair with mains plug without completely removing the battery from the holster, otherwise, damage may occur.

Ne pas utiliser la chaise avec prise secteur sans enlever complètement la batterie du boîtier, sinon des dommages peuvent survenir.

! NOTICE/AVIS

The battery does not charge while plugged into the chair even if the chair is plugged into an outlet. See charging instructions for directions on charging the battery.

La batterie ne se recharge pas lorsqu'il est branché dans le fauteuil même si la chaise est branchée sur une prise. Voir les instructions de chargement pour les directions sur la charge de la batterie.

⚠ WARNING/AVERTISSEMENT

No modification of this equipment is allowed.

Aucune modification de cet équipement est autorisé.

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OPERATION

Charging

The battery has an LCD fuel gauge located on the end of the battery. This fuel gauge displays five (5) bars when fully charged. Each bar represents twenty percent of the battery's capacity (Figure 1).

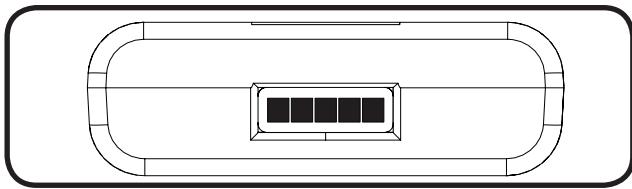


Figure 1

Fully charge battery prior to use.

To charge the battery,

1. Plug the charger power cord into a 115 VAC electrical outlet.
2. Place the charger on a flat surface away from heat and moisture.
3. Align the battery connector and charger connector and push them together. The MTI Logo on the battery should face out. (Figure 2).
4. The charger will automatically begin to charge the battery. The LCD fuel gage on the battery will flash to indicate charging is in process.

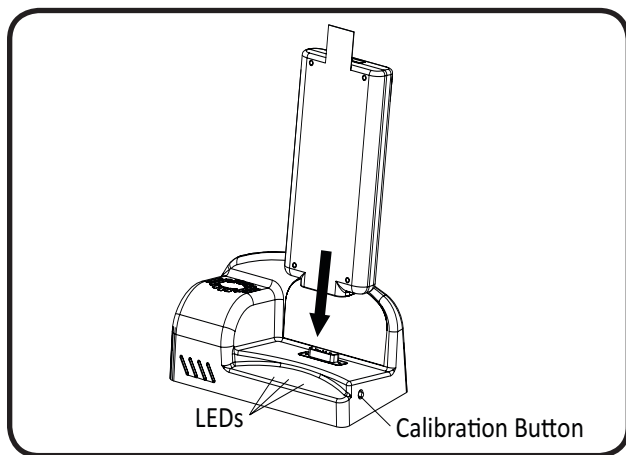


Figure 2

! NOTICE/AVIS

MTI recommends the following procedure be followed in order to ensure that the battery is always ready for use and maintains a

higher life expectancy.

MTI recommande de suivre la procédure suivante afin de s'assurer que la batterie est toujours prête à être utilisée et conserve une durée de vie plus longue.

MTI provides (2) batteries for each chair purchased. Best practices are as follows:

1. At the end of the day remove the battery from the chair and charge it.
2. Before the next surgery, insert a fully charged battery into the chair.
3. Alternate batteries every day.

! NOTICE/AVIS

Leaving the battery on the charger, even when fully charged, will not damage the battery or the charger.

Le fait de laisser la batterie sur le chargeur, même lorsqu'il est complètement chargé, n'endommagera pas la batterie ou le chargeur.

Charge time should be approximately 3 hours, at which time the green LED on the charger should be solid and the fuel gauge on the end of the battery should show five bars.

LED Indication

The charging status of the battery is indicated by three LEDs on the front of the charger:

Green flashing	Battery is charging
Green solid	Battery is fully charged
Blue flashing	Battery is being calibrated
Blue Solid	Battery is calibrated
Red Flashing	Battery fuel gauge needs calibration
Red Solid	Error or battery is unrecoverable

Discharging

When the battery is inserted into the chair battery holster, the chair will automatically be powered by the battery, even if the chair is still plugged into an outlet.

! CAUTION/PRÉCAUTION

If the chair is not in use for 1 or more days, remove the battery from the chair, otherwise the battery will discharge. Leaving the battery in the chair for an extended period of time may result in premature failure of the battery.

Si la chaise est pas en cours d'utilisation pour 1 ou plusieurs jours, retirez la batterie de la chaise, sinon la batterie se décharge. Quittant la batterie dans la chaise pendant une période de temps prolongée peut entraîner une défaillance prématurée de la batterie.

The runtime of the battery will be reduced if it is operated below room temperature.

Calibration

Frequent partial discharges will reduce the accuracy of the fuel gauge. The battery has a built-in monitoring system which checks the accuracy of the fuel gauge, based on the discharge history of the battery. A flashing red LED on the charger will indicate a battery fuel gauge needs calibration.

Calibration of the battery fuel gauge is achieved by plugging the charger into a properly grounded outlet, connecting the battery to the charger, and then pressing the calibration button on the side of the charger (See Figure 2). While calibrating the battery, keep the charger away from direct sunlight or heat sources in order to avoid calibration errors. There may be a short delay before the calibration begins.

Calibration may take 25-27 hours. The charger will fully charge, then fully discharge the battery to calibrate the fuel gauge, and then the battery will be fully recharged.

The battery and charger will get warm during the calibration procedure. The Blue LED will be solid when the calibration is complete.

Battery Life

End of life on the battery is defined as the point at which the battery fails to deliver 80% of its original rated capacity. This will occur after approximately 300 charge/discharge cycles.

Additional Warnings, Cautions and Notices

WARNING/AVERTISSEMENT

Do not expose the charger or power supply to liquids.

Ne pas exposer le chargeur ou alimentation à des liquides.

WARNING/AVERTISSEMENT

Do not open the battery, charger, or power supply case. There are no user serviceable parts inside.

N'ouvrez pas la batterie, le chargeur ou le boîtier d'alimentation.

Il n'y a aucune pièce réparable par l'utilisateur à l'intérieur.

CAUTION/PRÉCAUTION

Do not cover the charger case or leave in direct sunlight, as this could cause overheating.

Ne couvrez pas le boîtier du chargeur ou laisser à la lumière directe du soleil, car cela pourrait entraîner une surchauffe.

CAUTION/PRÉCAUTION

If the battery is stored for an extended period of time, the battery must be fully charged every 6 months in order to avoid premature failure of the battery.

Si la pile est stockée pour longtemps, la batterie doit être chargée complètement tous les 6 mois pour éviter une défaillance prématurée de la pile.

CAUTION/PRÉCAUTION

If a battery is completely drained (no bars on fuel gauge) it must be immediately charged. If it is not charged, the battery will enter a shutdown mode. If the battery is left in shutdown mode, the battery will reach an unrecoverable state where it cannot be charged and must be replaced (not covered by warranty). A battery that is left in shutdown mode too long will be indicated by a solid red LED on the battery charger when it is connected.

Si une batterie est complètement déchargée (pas de barre sur la jauge de carburant), elle doit être chargée immédiatement. Si elle n'est pas chargée, la batterie passera en mode d'arrêt. Si la batterie est laissée en mode d'arrêt, elle atteindra un état irrécupérable où elle ne pourra pas être chargée et devra être remplacée (non couverte par la garantie). Une batterie laissée trop longtemps en mode arrêt est indiquée par un voyant rouge fixe sur le chargeur de batterie lorsqu'il est connecté.

CAUTION/PRÉCAUTION

The battery must be charged with MTI's charger. If another charger is used, battery damage or other unknown events may occur.

La batterie doit être chargée avec le chargeur de MTI. Si un autre chargeur est utilisé, les dommages de la batterie ou autres événements inconnus peuvent se produire.

NOTICE/AVIS

Place the charger in a cool spot, away from external heat sources. Placer le chargeur dans un endroit frais, à l'écart des sources de chaleur externes.

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Storage

MTI recommends that the battery and charger be stored at room temperature. Elevated temperatures will reduce storage life. MTI lithium ion batteries are shipped partially to fully charged to give at least 6 months of shelf life at room temperature. However, it is recommended to fully charge the battery before the chair is operated or prior to storing the battery. It is recommended that the battery is recharged every 6 months if in storage.

Charger Specifications

Weight	11 oz / 308 grams
H x L x W	3.5 x 7 x 3.6"/88 x 180 x 92 mm
Energy Compliance	Compliant to California Energy Commission (CEC) Standard: DoE CFR, Title 10, Chapter II, Subchapter D, Part 430
Communications Compliances	System Management Bus Rev 1.0, Smart Battery Data Specification rev 1.0 and Smart Battery Charger specification Rev 1.0 compliant
Power Supply	100-240VAC, 36-38V, 2.78A DC, 150x35x-70mm, 600g /21oz UL listed, CE Compliant
Mains Power (AC) Cord	110V N. American 3-pin connector

Battery Disposal

MTI lithium ion batteries are classified by the US federal government as non-hazardous waste and are safe for disposal in the normal municipal waste stream. However, the batteries do contain recyclable materials and are accepted for recycling by a number of regional battery recycling programs. MTI encourages you to recycle your batteries. The battery charger must be recycled and cannot be disposed of in a landfill.

In North America, contact the Rechargeable Battery Recycling

Corporation (RBRC) at www.call2recycle.org.

NOTICE/AVIS

The battery contains lithium ions. The amount of lithium ions contained in the battery are safe for consumer use.

La batterie contient des ions lithium. La quantité d'ions lithium contenus dans la batterie est sans danger pour les consommateurs.

Calls for Service

(888) 520-4998 | International (801) 875-4998
customer.service@mti.net | www.mti.net

LIMITED WARRANTY

Medical Technology Industries, Inc. (hereinafter referred to as MTI), shall repair or replace products of its manufacture, which prove to be defective in material and/or workmanship for a period of twelve (12) months from the date of shipment to the customer (the "Warranty Period"). MTI will, at its option, provide parts to the customer or repair the defective part at MTI's factory or authorized repair facility. Except as it may otherwise specifically agree in writing, MTI shall not be liable for transportation or labor charges for repairs or adjustments or other work done on any of its products by MTI's authorized dealers or service organizations.

Customer shall notify MTI of any alleged claim or defect within fourteen (14) days from the date customer discovers, or upon reasonable inspection should have discovered, such alleged claim or defect (but in any event before the expiration of the Warranty Period). All repair parts are warranted for Ninety (90) calendar days from the date of shipment to the customer. Warranty is non-cumulative.

This warranty does not apply to any part or product which upon examination by MTI or its authorized agents indicates the product has been repaired or altered in any way by persons other than MTI or its authorized agents, has been misused, abused or used in a manner contrary to any instructions issued by MTI. Any parts or products claimed under this warranty must be properly packaged by customer and returned to MTI's factory with no liability to MTI for the parts, products or transportation charges thereon.

In no event, shall MTI have any liability for consequential, indirect, incidental, special, exemplary, punitive or enhanced damages, lost profits or diminution in value arising out of or relating to a product defect or the repair or replacement of any products manufactured or sold by it.

THE FOREGOING LIMITED WARRANTY IS MADE IN LIEU OF ALL WARRANTIES EXPRESSED OR IMPLIED, AND MTI MAKES NO OTHER WARRANTY WHATSOEVER WITH RESPECT TO THE PRODUCTS INCLUDING BUT NOT LIMITED TO, ANY IMPLIED WARRANTY OR MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE.

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