



4V AND 12V LI-ION BATTERY PACKS BATTERIES AU LITHIUM-ION 4V ET 12V BATERÍAS DE IONES DE LITIO DE 4V Y 12V

**New batteries must be charged before first use.
Les batteries neuves doivent être chargées
avant leur utilisation initiale.
Las baterías nuevas se deben cargar antes de
usarlas por primera vez.**

IMPORTANT SAFETY INSTRUCTIONS

⚠WARNING READ AND UNDERSTAND ALL INSTRUCTIONS. Failure to follow all instructions listed below, may result in electric shock, fire and/or serious personal injury.

SAVE THESE INSTRUCTIONS

- SAVE THESE INSTRUCTIONS - THIS OPERATOR'S MANUAL CONTAINS IMPORTANT SAFETY AND OPERATING INSTRUCTIONS FOR MILWAUKEE LI-ION BATTERIES.**
- BEFORE USING THE BATTERY PACK, READ THIS INSTRUCTION SHEET, YOUR TOOL AND CHARGER OPERATOR'S MANUALS, AND ANY LABELS ON THE BATTERY PACK, CHARGER AND TOOL.**
- CAUTION! TO REDUCE THE RISK OF INJURY, CHARGE MILWAUKEE 4V LITHIUM-ION BATTERIES ONLY IN MILWAUKEE 4V LITHIUM-ION CHARGERS. CHARGE MILWAUKEE 12V LITHIUM-ION BATTERIES ONLY IN MILWAUKEE 12V LITHIUM-ION CHARGERS.** Other types of chargers may cause personal injury or damage. Do not wire a battery pack to a power supply plug or car cigarette lighter. Batteries will be permanently disabled or damaged.
- USE MILWAUKEE 4V LITHIUM-ION BATTERIES ONLY ON MILWAUKEE 4V LITHIUM-ION TOOLS. USE MILWAUKEE 12V LITHIUM-ION BATTERIES ONLY ON MILWAUKEE 12V LITHIUM-ION TOOLS.** Use with other tools may result in a risk of fire, electric shock or personal injury.
- AVOID DANGEROUS ENVIRONMENTS.** Do not charge battery pack in rain, snow, damp or wet locations. Do not use battery pack or charger in the presence of explosive atmospheres (gaseous fumes, dust or flammable materials) because sparks may be generated when inserting or removing battery pack, possibly causing fire.
- CHARGE IN A WELL VENTILATED AREA.** Do not block charger vents. Keep them clear to allow proper ventilation. Do not allow smoking or open flames near a charging battery pack. Vented gases may explode.
- DO NOT BURN OR INCINERATE BATTERIES.** Batteries may explode, causing personal injury or damage. Toxic fumes and materials are created when batteries are burned.
- DO NOT CRUSH, DROP, OR DAMAGE** batteries. Do not use a battery pack or charger that has received a sharp blow, been dropped, run over, or damaged in any way (e.g., pierced with a nail, hit with a hammer, stepped on).
- DO NOT DISASSEMBLE.** Incorrect reassembly may result in the risk of electric shock, fire or exposure to battery chemicals. If it is damaged, take it to a MILWAUKEE service facility.
- BATTERY CHEMICALS CAUSE SERIOUS BURNS.** Never allow contact with skin, eyes, or mouth. If a damaged battery pack leaks battery chemicals, use rubber or neoprene gloves to dispose of it. If skin is exposed to battery fluids, wash with soap and water and rinse with vinegar. If eyes are exposed to battery chemicals, immediately flush with water for 20 minutes and seek medical attention. Remove and dispose of contaminated clothing.
- DO NOT SHORT CIRCUIT.** A battery pack will short circuit if a metal object makes a connection between the positive and negative contacts on the battery pack. Do not place a battery pack near anything that may cause a short circuit, such as coins, keys or nails in your pocket. Do not allow fluids to flow into battery pack. Corrosive or conductive fluids, such as seawater, certain industrial chemicals, and bleach or bleach containing products, etc., can cause a short circuit. A short circuited battery pack may cause fire, personal injury, and product damage.
- STORE YOUR BATTERY PACK AND CHARGER** in a cool, dry place. Do not store battery pack where temperatures may exceed 120°F (50°C) such as in direct sunlight, a vehicle or metal building during the summer.

READ AND SAVE ALL INSTRUCTIONS FOR FUTURE REFERENCE.

Charging Temperature

Recommended Ambient Charging Temperature 40°F to 105°F

⚠WARNING To reduce the risk of fire, personal injury, and product damage due to a short circuit, never immerse your tool, battery pack or charger in fluid or allow a fluid to flow inside them. Corrosive or conductive fluids, such as seawater, certain industrial chemicals, and bleach or bleach containing products, etc., can cause a short circuit.

Maintenance and Storage

Do not expose your battery pack or cordless tools to water or rain, or allow them to get wet. This could damage the tool and battery pack. Do not use oil or solvents to clean or lubricate your battery pack. The plastic casing will become brittle and crack, causing a risk of injury.

Store batteries at room temperature away from moisture. Do not store in damp locations where corrosion of terminals may occur. As with other battery types, permanent capacity loss can result if the battery pack is stored for long periods of time at high temperatures (over 120° F). MILWAUKEE Lithium-Ion batteries maintain their charge during storage longer than other battery types. After about six months of storage, charge the battery pack as normal.

Disposing of MILWAUKEE Lithium-Ion Batteries

MILWAUKEE Lithium-Ion batteries are more environmentally friendly than some other types of power tool batteries (e.g., nickel-cadmium). Always dispose of your battery pack according to federal, state and local regulations. Contact a recycling agency in your area for recycling locations.

Even discharged batteries contain some energy. Before disposing, use electrical tape to cover the terminals to prevent the battery pack from shorting, which could cause a fire or explosion.

⚠WARNING To reduce the risk of injury or explosion, never burn or incinerate a battery pack even if it is damaged, dead or completely discharged. When burned, toxic fumes and materials are created.

RBRC Battery Recycling Seals

The RBRC™ Battery Recycling Seals (see "Symbology") on your tool battery pack indicates that MILWAUKEE has arranged for the recycling of that battery pack with the Rechargeable Battery Recycling Corporation (RBRC). At the end of your battery pack's useful life, return the battery pack to a MILWAUKEE Branch Office/Service Center or the participating retailer nearest you. For more information, visit the RBRC web site at www.rbrc.org.

LIMITED WARRANTY - USA AND CANADA

Every MILWAUKEE Battery Pack (sold with cordless product and/or as a replacement battery pack) is warranted to the original purchaser only to be free from defects in material and workmanship. Subject to certain exceptions, MILWAUKEE will repair or replace a battery pack which, after examination, is determined by MILWAUKEE to be defective in material or workmanship for the stated warranty period from date of purchase. Return of the battery pack to a MILWAUKEE factory Service Center location or MILWAUKEE Authorized Service Station, freight prepaid and insured, is required. For the proper shipping procedure of battery packs, contact 1.800.SAWDUST (1.800.729.3878), or go to www.milwaukeeool.com. A copy of the proof of purchase should be included with the return product. This warranty does not apply to damage that MILWAUKEE determines to be from repairs made or attempted by anyone other than MILWAUKEE authorized personnel, misuse, alterations, abuse, normal wear and tear, lack of maintenance, or accidents.

Battery Pack Cat. No.	Chemistry	Warranty Period (from date of purchase)
48-11-1828 (Serial number prefix "B41E" and earlier), 48-11-1840, 48-11-1850, 48-11-1860, 48-11-1890, 48-11-2402, 48-11-2440, 48-11-2460, 48-11-2830 (Serial number prefix "C71")	LITHIUM-ION	Three (3) Years
48-11-0490, 48-11-1815, 48-11-1820, 48-11-2001, 48-11-2401, 48-11-2420, 48-11-2430	LITHIUM-ION	Two (2) Years

48-11-1828 (Serial number prefix "B41D" and earlier), 48-11-1830 (Serial number prefix "A95"), 48-11-2830 (Serial number prefix "A71")	LITHIUM-ION	Two (2) Years – plus, Three (3) Years Pro-Rata (prorated)*
48-11-0100, 48-11-1024, 48-11-1830 (Serial number prefix "E95"), 48-11-1970, 48-11-2230	Nickel-Cadmium (Ni-Cd), Nickel-Metal-Hydrate (Ni-MH), LITHIUM-ION	One (1) Year

*The warranty period for MILWAUKEE M18™ 48-11-1828 (with the serial number prefix "B41D" and earlier), V18™ 48-11-1830 (with the serial number prefix "A95"), and V28™ 48-11-2830 (with the serial number prefix "A71") is five (5) years / 2000 charges from the date of purchase, whichever first occurs. The first 1000 charges or 2 years of the warranty, whichever first occurs, are covered through free replacement of the defective battery. This means that for the earlier of the first 1000 charges or two (2) years from the date of purchase/first charge, a replacement battery will be provided to the customer for any defective battery free of charge. Thereafter, the remaining charges up to a total of 2000 or the remainder of the five (5) year period from the date of purchase, whichever first occurs, will be covered on a pro rata basis. This means that every customer gets an additional 1000 charges or three (3) years of pro rata warranty on the these battery packs, depending upon the amount of use. MILWAUKEE M18™ 48-11-1828 (with the serial number prefix "B41E" and later), V18™ 48-11-1830 (with the serial number prefix "E95"), and M28™ 48-11-2830 (with the serial number prefix "C71") have different warranty periods, as listed. Warranty Registration is not necessary to obtain the applicable warranty on a MILWAUKEE battery pack. The manufacturing date of the product will be used to determine the warranty period if no proof of purchase is provided at the time warranty service is requested.

ACCEPTANCE OF THE EXCLUSIVE REPAIR AND REPLACEMENT REMEDIES DESCRIBED HEREIN IS A CONDITION OF THE CONTRACT FOR THE PURCHASE OF EVERY MILWAUKEE PRODUCT. IF YOU DO NOT AGREE TO THIS CONDITION, YOU SHOULD NOT PURCHASE THE PRODUCT. IN NO EVENT SHALL MILWAUKEE BE LIABLE FOR ANY INCIDENTAL, SPECIAL, CONSEQUENTIAL OR PUNITIVE DAMAGES, OR FOR ANY COSTS, ATTORNEY FEES, EXPENSES, LOSSES OR DELAYS ALLEGED TO BE AS A CONSEQUENCE OF ANY DAMAGE TO, FAILURE OF, OR DEFECT IN ANY PRODUCT INCLUDING, BUT NOT LIMITED TO, ANY CLAIMS FOR LOSS OF PROFITS. SOME STATES DO NOT ALLOW THE EXCLUSION OR LIMITATION OF INCIDENTAL OR CONSEQUENTIAL DAMAGES, SO THE ABOVE LIMITATION OR EXCLUSION MAY NOT APPLY TO YOU. THIS WARRANTY IS EXCLUSIVE AND IN LIEU OF ALL OTHER EXPRESS WARRANTIES, WRITTEN OR ORAL. TO THE EXTENT PERMITTED BY LAW, MILWAUKEE DISCLAIMS ANY IMPLIED WARRANTIES, INCLUDING WITHOUT LIMITATION ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR USE OR PURPOSE. TO THE EXTENT SUCH DISCLAIMER IS NOT PERMITTED BY LAW, SUCH IMPLIED WARRANTIES ARE LIMITED TO THE DURATION OF THE APPLICABLE WARRANTY AS DESCRIBED ABOVE. SOME STATES DO NOT ALLOW LIMITATIONS ON HOW LONG AN IMPLIED WARRANTY LASTS. SO THE ABOVE LIMITATION 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.

This warranty applies to product sold in the U.S.A. and Canada only. Please consult the "Service Center Search" in the Parts & Service section of MILWAUKEE's website www.milwaukeeool.com or call 1.800.SAWDUST (1.800.729.3878) to locate your nearest service facility for warranty and non-warranty service on a MILWAUKEE Battery Pack.

RÈGLES GÉNÉRALES DE SÉCURITÉ

⚠AVERTISSEMENT LIRE ET COMPRENDRE TOUTES LES INSTRUCTIONS. Le non-respect des instructions ci-après peut entraîner des chocs électriques, des incendies et/ou des blessures graves.

CONSERVER CES INSTRUCTIONS

- CONSERVER CES INSTRUCTIONS - CE MANUEL DE L'OPÉRATEUR CONTIENT DES INSTRUCTIONS IMPORTANTES EN MATIÈRE DE SÉCURITÉ ET DE FONCTIONNEMENT POUR LES BATTERIES AU LITHIUM-ION MILWAUKEE.**
- AVANT D'UTILISER LA BATTERIE, LIRE CE MODE D'EMPLOI, LE MANUEL DE L'OPÉRATEUR DE L'OUTIL ET LE CHARGEUR, ET TOUTES LES ÉTIQUETTES DE LA BATTERIE, DU CHARGEUR ET DE L'OUTIL.**
- MISE EN GARDE! POUR MINIMISER LES RISQUES DE BLESSURES CORPORELLES, SEULE LA BATTERIE AU LI-ION 4 V MILWAUKEE DOIT ÊTRE RECHARGÉE AVEC CHARGEUR AU LI-ION 4 V. SEULE LA BATTERIE AU LI-ION 12 V MILWAUKEE DOIT ÊTRE RECHARGÉE AVEC CHARGEUR AU LI-ION 12 V.** L'utilisation d'autres types de chargeurs peut entraîner des blessures ou causer des dommages. Ne pas relier les batteries à une prise de courant ou à un allume-cigarett. Elles resteront déchargées en permanence ou seront endommagées.
- UTILISER LES BATTERIES AU LITHIUM-ION 4V MILWAUKEE UNIQUEMENT SUR LES OUTILS AU LITHIUM-ION 4V DE MILWAUKEE. UTILISER LES BATTERIES AU LITHIUM-ION 12V MILWAUKEE UNIQUEMENT SUR LES OUTILS AU LITHIUM-ION 12V DE MILWAUKEE** Une utilisation avec d'autres outils peut causer des risques d'incendie, de chocs électriques et de blessures.
- ÉVITEZ LES ENVIRONNEMENTS À RISQUES. N'UTILISEZ PAS LE CHARGEUR SOUS LA PLUIE,** la neige ou dans les endroits humides ou mouillés. Ne vous servez pas du chargeur ou de la batterie en milieu explosifs (émanations de gaz, poussière ou substances inflammables), car il pourrait se produire des étincelles, lors de l'insertion de la batterie dans le chargeur ou lors de son retrait, créant un risque d'incendie.
- RECHARGEZ DANS UN ENDOIT BIEN VENTILÉ.** Ne laissez pas les événements du chargeur se bloquer et assurez-vous qu'ils sont bien ventilés. N'effectuez pas une recharge de batterie à proximité d'une flamme vive ou fumante, afin d'éviter l'explosion des décharges de gaz.
- NE PAS BRÛLER OÙ INCINÉRER LES BATTERIES.** Les batteries peuvent exploser et causer des blessures ou des dommages. Des gaz et des matériaux toxiques sont créés lorsque les batteries au lithium-ion sont brûlées.
- NE PAS ÉCRASER, LAISSER TOMBER OÙ ENDOMMAGER** la batterie. Ne pas utiliser une batterie ou un chargeur qui ont reçu choc important, qui sont tombés, ont été écrasés ou endommagés de quelle façon que ce soit (par exemple percés par une pointe, heurtés par un marteau, piétinés).
- NE PAS DÉMONTÉ.** Un remontage incorrect peut causer des risques de chocs électriques, d'incendies ou d'exposition des produits chimiques de la batterie. Si elle est endommagée, l'apporter à un centre d'entretien MILWAUKEE.
- LE LIQUIDE DE LA BATTERIE PEUT CAUSER DES BRÛLURES CHIMIQUES GRAVES.** Ne permettez jamais que le liquide de la batterie ne vienne en contact avec la peau ou les yeux. Si du liquide s'écoule d'une batterie, mettez des gants de caoutchouc ou de néoprène pour disposer du liquide. Si la peau vient en contact avec le liquide, lavez-la à l'eau savonneuse et rincez-la ensuite au vinaigre. Enlevez les vêtements souillés et disposez-en. Si les yeux sont affectés, arrosez-les immédiatement avec de l'eau en abondance pendant 20 minutes et demandez l'aide d'un médecin.
- ATTENTION AUX COURTS-CIRCUITS!** Un bloc-piles court-circuité si un objet métallique établit une connexion entre les contacts positifs et négatifs sur le bloc-piles. Ne placez pas un bloc-piles près de tout ce qui peut causer un court-circuit, comme des pièces de monnaie, des clés ou des clous dans votre poche. Ne pas laisser les fluides s'écouler dans le bloc-piles. Les fluides corrosifs ou conducteurs, tels que l'eau de mer, certains produits chimiques industriels, les produits de blanchiment ou de blanchiment, etc., peuvent provoquer un court-circuit. Un bloc-batterie court-circuité peut provoquer des incendies, des blessures corporelles et des dommages au produit.
- RANGÉZ LA BATTERIE ET LE CHARGEUR** dans un endroit sec et frais. Ne rangez pas la batterie dans un endroit où la température pourrait dépasser 50°C (120°F), comme par exemple un véhicule ou une structure métallique en été.

LIRE ET CONSERVER TOUTES LES INSTRUCTIONS POUR RÉFÉRENCE FUTURE.

Température de chargement

Température ambiante de charge recommandée 5°C à 40°C (40°F à 105°F)

⚠AVERTISSEMENT Pour réduire le risque d'incendie, de blessures corporelles et de dommages causés par un court-circuit, ne jamais immerger l'outil, le bloc-piles ou le chargeur dans un liquide ou laisser couler un fluide à l'intérieur de celui-ci. Les fluides corrosifs ou conducteurs, tels que l'eau de mer, certains produits chimiques industriels, les produits de blanchiment ou de blanchiment, etc., peuvent provoquer un court-circuit.

Entretien et remisage de la batterie

Ne pas exposer la batterie ou les outils sans fils à l'eau ou à la pluie ou les laisser se mouiller. Ceci endommage l'outil et la batterie. Ne pas utiliser d'huile ou de solvant pour nettoyer ou graisser la batterie. Le boîtier en plastique peut se fendre ou se casser et créer un risque de blessures.

