Maintenance & Storage

Ultrabatt™ batteries are very different from conventional lead/acid batteries. Our batteries are based on Lithium Iron Phosphate technology. This so called Lithium Ion technology as used in our batteries is the safest Lithium Ion technology today. On top of that our innovative designed casing and microchip technology further increase safety and durability.

If at any time the vehicle will not start or the battery seems low, charge it for the recommended time and disconnect the charger when charging is complete.
We recommend a 3A charge rate for our batteries. Never exceed the maximum charging amps for your battery (max 10A),
For maximum battery life, do not start an engine for more than 10 seconds within any 1 minute period.

The Ultrabatt™ multiMIGHTY can be charged with almost all vehicle alternators, up to a maximum of 15V. Within 5 minutes after starting your engine the battery will be recharged. Do not charge at over 15V as this will damage the battery.

When you have several multiMIGHTY batteries connected to each other you don't need to charge them separately. It can be charged as a complete pack just like any other battery. We recommend to use the appropriate UB3000 Ultracharger battery charger to charge our batteries. This charger is specially designed for our batteries and offers a quick charge and also best possible charge for longest service life. The Ultrabatt™ multiMIGHTY is also compatible with most modern lead/acid and LiFePO4 chargers. When using a lead/acid charger or a trickle-charger, only use a modern charger with minimum of 1A (3A advised and 10A maximum) and able to charge at 14.4V. Never use the de-sulfate setting on your charger. If the battery gets hot while charging, discontinue charging and use of battery. Never charge a faulty battery (battery that will not accept a charge or hold a charge). Do not charge batteries in temperatures above 45°C (113°F). Using a non-compatible charger will void your warranty.

Ultrabatt™ batteries have a long service life (more than five years) and a very low self-discharge (less than 3% every month), the batteries will last for several years in storage.

Vehicles which do have a current drain while turned off will need the battery periodically charged, depending on the rate of current drain. For storage in excess of a month disconnect the negative battery cable to prevent any applied electrical load during storage. Or store battery separately from the motorcycle. We recommend to store the battery at temperatures between 5°C and 20°C (41°F and 68°F). Storage temperature range is -50°C and +60°C (-58 °F and 140°F).

Warranty

Ultrabatt™ ("Manufacturer") warrants its multiMIGHTY battery (hereafter referred to as "Battery") to be free of defects in material and workmanship for the Applicable Warranty Period.
The Applicable Warranty Period is two (2) years. The Applicable Warranty Period begins from the date of purchase with original receipt, or, if no receipt is available, from Manufacturer's shipping date. With the Applicable Warranty Period the battery will be replaced free of charge if adjustment is necessary due to defect in material or workmanship (not merely discharged).
Simply return the Battery to any authorized Ultrabatt™ battery dealer with the original receipt for a replacement. This warranty may vary from country to country; contact your authorized Ultrabatt™ battery wholesaler or dealer for the applicable warranty.

GENERAL PROVISIONS:

A. Manufacturer has no obligation under the limited warranty set forth above in the event the Battery is damaged or destroyed as a result of one or more of the following:
Willful abuse or neglect or if the top cover has been removed.
Natural forces such as wind, lightning, hail; damage due to fire, collision, explosion, vandalism, theft, penetration or opening of the Battery case in any manner.
Overcharging, undercharging, charging or installing in reverse polarity, improper maintenance, overloading or mishandling of the Battery such as but not limited to using the terminals for lifting or carrying the Battery. Not allowed to use trickle chargers, chargers made for lead/acid batteries or any other charger that doesn't reflects Ultrabatt™ charging parameters. Use of such Chargers with the Battery will also void the Battery's warranty.
Failure to properly install the Battery or use in operating temperatures higher than 60°C (140°F).
Normal deterioration in the electrical qualities or the acceleration of such deterioration due to conditions that accelerate such deterioration.
If the Battery is used for an application that requires higher cranking power or a greater reserve rating than the Battery is designed to deliver, or the Battery cranking power is less than the Battery cranking power specified by the vehicle manufacturer, or the battery is otherwise used in applications for which it was not designed.
WARNING - Do NOT use any type of oil, organic solvent, alcohol, detergent, strong acids, strong alkalis, petroleum-based solvent or ammonia solution to clean the jars or covers. These materials may cause permanent damage to the battery jar and cover and will void the warranty.

B. To obtain warranty service:
1. Return the Battery to any authorized Ultrabatt™ wholesaler or dealer.
2. If the Battery is determined to be defective for material or workmanship under the terms of this limited warranty, it will be replaced.

THIS LIMITED WARRANTY IS IN LIEU OF, AND MANUFACTURER DISCLAIMS AND EXCLUDES ALL OTHER WARRANTIES, STATUTORY, EXPRESS OR IMPLIED, INCLUDING, WITHOUT LIMITATION, ANY WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. MANUFACTURER'S EXCLUSIVE LIABILITY FOR BREACH OF WARRANTY SHALL BE TO REPLACE THE BATTERY WITHIN THE EFFECTIVE WARRANTY PERIOD. IN NO EVENT SHALL MANUFACTURER BE LIABLE FOR ANY LOSS OR DAMAGES OF ANY 0THER KIND, WHETHER DIRECT, INCIDENTAL, CONSEQUENTIAL, EXEMPLARY, SPECIAL OR OTHERWISE. NOR SHALL MANUFACTURER BE LIABLE FOR ANY REMOVAL OR INSTALLATION EXPENSE, OR THE LOSS OF TIME OR PROFITS. Some countries do not allow limitation on how long an implied warranty lasts or the exclusion or limitation of incidental or consequential damages, so the above limitations may not apply to you. This warranty gives you specific legal rights, which may vary from country to country.

Ultrabatt

the most versatile and advanced battery ever!!

We recommend using the UB3000 Ultracharger for charging your battery. For more information on this charger, including where to buy it, can be found on our website at www.ultrabatt.com

Keep your receipt, receipt is required for longest warranty protection

For your convenience, this space is provided for attaching your original receipt

Always properly recycle your battery by returning to an authorised recycling centre. Lithium Iron Phosphate batteries are subject to disposal and recycling regulations that vary by country and region. Always check and follow your applicable regulations before disposing of any battery.

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www.ultrabatt.com
by Ultrabatt The Netherlands (Europe)

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Ultrabatt multiMIGHTY



User's Manual

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ENGLISH

Lithium Iron Phosphate Battery User's Manual

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The information contained in this document is the property of Ultrabatt™. Ultrabatt™ reserves the right to make changes to its documents or products without notice. It is the responsibility of each user to ensure that all applications of Ultrabatt products are as intended and safe based on conditions anticipated or encountered during use. The Ultrabatt™ multiMIGHTY battery is covered by several international patents, issued and pending.

Handling Precautions

- Do not disassemble, crush, or puncture the battery
- Do not short-circuit the battery
- Do not dispose of a battery in fire or water
- Do not expose a battery to temperatures above 60°C (140°F)
- Do not allow discharge below 12.8V (min. of 8V)
- Do not allow charge voltage in excess of 14.6V (max. of 15V)
- Do not allow charge amperage per battery in excess of 10A
- Charge battery with specified chargers only (read charging info)
- Keep the battery away from pets and children
- Do not use a damaged battery
- Do not expose battery to gasoline or diesel fuel
- Do not try fuse replacement by yourself (only use Ultrabatt fuse)
- Do not connect the battery in series, only parallel
- Battery must be disposed of properly
- Fully discharge before disposal

FAILURE TO COMPLY WITH THESE CAUTIONS WILL VOID YOUR WARRANTY

Package Contents

- Ultrabatt™ multiMIGHTY
- Top terminal adapters (2x)
- Side terminal adapters (2x)
- Battery linking adapters (2x)
- Battery connection clips (2x)
- M5 battery bolts (2x)
- M6 terminal bolts (2x)
- Adhesive velcro (4x)
- Hexagon tool M5
- Hexagon tool M6
- Decal (sticker)
- This user's manual

Installation

Your Ultrabatt™ multiMIGHTY battery is shipped fully charged and normally ready to install right out of the box! Measure the battery voltage; if it is 13 Volts or greater, install; if less, then refer to the maintenance charging section.

DO NOT SHORT CIRCUIT YOUR ULTRABATT™ BATTERY'S TERMINALS!
Remove any metallic items such as watches, bracelets and other personal jewelry to ensure safe installation.

1. Before removing the old battery and installing the new Ultrabatt™ battery, first turn off all systems.

2. Using proper procedures as recommended by the vehicle manufacturer, carefully disconnect the cables from your old battery and remove it from the vehicle. Return the spent battery to the battery dealer for proper recycling.

3. Inspect existing battery cables for corrosion, acid damage or insulation deterioration. Replace if deterioration is present.

4. Compare the original battery side-by-side with the new Ultrabatt multiMIGHTY battery (batteries) and position your Ultrabatt™ battery in a way that the polarity (+/- terminals) arrangement is the same and battery fits in the battery holder. Battery can be placed in any desired position.

5. The battery must be installed and if necessary isolated in a way it will not reach temperatures above 60°C (140°F).

6. Read manual section "connecting multiple batteries" on how to connect multiple batteries to each other and how to connect the battery terminal adapters.

7. Position your Ultrabatt™ battery in the battery holder and fasten firmly to the vehicle. We also recommend using the supplied adhesive Velcro Straps for fastening battery more secure.

8. Connect the positive cable from your ignition to the Positive (+) terminal. Connect the negative cable from your engine or chassis to the Negative (-) terminal. Do not connect the battery in reverse polarity. If necessary use the supplied M6 terminal bolts for fastening the cables onto the battery terminals.

9. Make sure the positive battery terminal from the Ultrabatt™ battery cannot short against any part of the vehicle. And be sure that if there is any positive terminal cover, to re-install this original cover on the Ultrabatt™ battery.

10. Torque the M6 terminal bolts with maximum 3 Nm (26.6 in-lbs).
Do not over-tighten. (you can use the supplied hexagon tool)

11. With the engine turned on, measure your vehicle alternator voltage output, must be 13.8V to 14.6V. Do not allow charging voltages above 15V.

Connecting Multiple Batteries

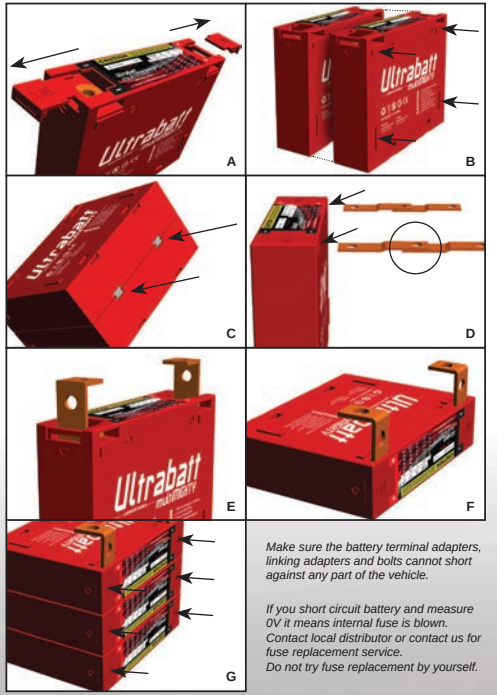
Connecting multiple Ultrabatt™ multiMIGHTY batteries to each other will increase total battery capacity. When one battery is not offering the required capacity for your vehicle, just simply connect x number of Ultrabatt™ batteries to each other until you reach the desired capacity. Battery rates shown below.



Nr. of batteries

	Voltage (Pb Eq)	Ah (Pb Eq)	PCA (A)	CCA (A)	Dimensions (mm / LxWxH)
1x	12 V	6	120	90	114x30x91 (114x91x30)
2x	12 V	12	240	180	114x60x91 (114x91x60)
3x	12 V	18	360	270	114x90x91 (114x91x90)
4x	12 V	24	480	360	114x120x91 (114x91x120)
5x	12 V	30	600	450	114x150x91 (114x91x150)
6x	12 V	36	720	540	114x180x91 (114x91x180)
..x	12 V	..x6	..x120	..x90	114x(..x30)x91

1. Before connecting the batteries to each other, first measure the batteries voltages from each battery separately. If the voltages are all the same (not more than 0.2V difference from each other) you can connect the batteries to each other. If difference is greater first charge the batteries separately refer to the maintenance charging section. The Ultrabatt™ multiMIGHTY is designed to connect parallel to each other. Theoretically, it doesn't really matter if the state of charge is much different since when connected in parallel, the battery with the higher voltage will charge the lower one. However we strongly suggest to charge all batteries to same voltage before use.
2. Remove the battery terminal covers for easier battery connection. (Pic. A)
3. Click the batteries together in a way that the polarity (+/- terminals) arrangement are all the same. (Pic. B)
Do not connect the batteries in reverse polarity with each other.
4. Snap the battery bottoms together by using the supplied battery connection clips (2x). Just slide them into the clip openings. (Pic. C)
5. Slide the battery linking adapters through the battery terminal openings. And connect them with each other like seen on picture D. Use the supplied M5 battery bolts for tighten the linking adapters on top of the battery terminals.
Torque the M5 battery bolts with maximum 3 Nm (26.6 in-lbs), do not over-tighten.
6. Use TOP terminal adapters for upright battery placement (Pic. E) or use SIDE terminal adapters for flat battery placement (Pic. F). Rotate the top terminal adapters for an optimum position. Connect these terminal adapters on top of the battery linking adapters and use the supplied M5 battery bolts for tighten them. Torque the M5 battery bolts with max. 3 Nm (26.6 in-lbs), do not over-tighten.
7. Connect the battery terminal covers again. Do not forget to cover the terminals as this can cause terminals to touch metal parts from your vehicle. (Pic. G)



Make sure the battery terminal adapters, linking adapters and bolts cannot short against any part of the vehicle.

If you short circuit battery and measure 0V it means internal fuse is blown. Contact local distributor or contact us for fuse replacement service. Do not try fuse replacement by yourself.

the most versatile and advanced battery ever!! Ultrabatt