



2.0Ah LITHIUM ION BATTERY

Model:600105094

(MABA20V2A)

USER GUIDE



CAUTION: Read this manual before using this machine!

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1. SAFETY INSTRUCTIONS



WARNING: Read all safety warnings and all instructions. *Failure to follow the warnings and instructions may result in electric shock, fire and/or serious injury.*

Save all warnings and instructions for future reference.

a) Recharge only with the charger specified by the manufacturer. *A charger that is suitable for one type of battery pack may create a risk of fire when used with another battery pack.*

b) Use power tools only with specifically designated battery packs. *Use of any other battery packs may create a risk of injury and fire.*

c) When battery pack is not in use, keep it away from other metal objects, like paper clips, coins, keys, nails, screws or other small metal objects that can make a connection from one terminal to another. *Shorting the battery terminals together may cause burns or a fire.*

d) Under abusive conditions, liquid may be ejected from the battery. If contact accidentally occurs, flush with water. If liquid contacts eyes, additionally seek medical help. *Liquid ejected from the battery may cause irritation or burns.*

1.1 SPECIFIC SAFETY INSTRUCTIONS

- The product is not intended for use by persons (including children) with reduced physical, sensory or mental capabilities, or lack of experience and knowledge, unless they have been given supervision or instruction concerning use of the product by a person responsible for their safety. Children should be supervised to ensure that they do not play with the product.
- Please read and observe these instructions before using the product.
- The battery pack for this tool has been shipped in a low charge condition. You should charge the battery pack fully before use.
- Do not incinerate the battery pack even if it is seriously damaged or can no longer hold a charge.
- The battery pack can explode in a fire.
- Batteries can explode in the presence of a source of ignition, such as a pilot light. To reduce the risk of serious personal injury, never use any cordless product in the presence of open flame. An exploded battery can propel debris and chemicals. If exposed, flush with water immediately.
- Do not crush, drop or damage battery pack. Do not use a battery pack or charger that has been dropped or received a sharp blow.
- A damaged battery is subject to explosion. Properly dispose of a dropped or damaged battery immediately.
- A small leakage of liquid from the battery pack may occur under extreme usage or temperature conditions. This does not necessarily indicate a failure of the battery pack. However, if the outer seal is broken and this leakage comes into contact with your skin wash the affected area quickly with soap and water. If the leakage gets in your eyes flush your eyes with clean water for a minimum of 10 minutes and seek immediate medical attention.
- Inform the medical staff that the liquid is a 25-35% solution of potassium hydroxide.
- Never attempt to open the battery pack for any reason. If the plastic housing of the battery pack breaks open or cracks, immediately discontinue its use and do not recharge it.
- Do not store or carry a spare battery pack in a pocket or toolbox or any other place where it may come into contact with metal objects. The battery pack may be short-circuited causing damage to the battery pack, burns or a fire.
- Do not charge battery tool in a damp or wet location. Following this rule will reduce the risk of electric shock.

- For best results, change the battery tool in a location where the temperature is more than 10°C but less than 40°C, to reduce the risk of serious personal injury, do not store outside or in vehicles.
- Never service damaged battery packs. Service of battery packs should only be performed by the manufacturer or authorized service providers.
- Charge only at ambient temperatures between 4°C and 40°C (39.2°F and 104°F)
- Store your batteries in a cool dry place (5°C-20°C/41°F-68°F). Do not store in locations where the temperature may exceed 40°C (104°F). Never store batteries in discharged state.
- **The recommended ambient temperature range for battery use is from -5°C to 50 °C.**

1.2 RE-CHARGEABLE BATTERIES

- Batteries may leak or explode if not charged or handled correctly. Always observe the following precautions when handling batteries.
- Ensure that the machine is switched off before removing or fitting batteries.
- Do not use this battery with any other product.
- Do not attempt to fit the battery the wrong way round.
- Do not short out, or attempt to dismantle the battery.
- Do not expose the battery to flames or excessive heat.
- Do not immerse in or expose the battery to water.
- Do not store or transport the battery with loose metal objects such as drill and drive bits.
- Batteries are points to leakage when discharged. To avoid damage to the product, remove or re-charge the battery when no charge remains. Store the battery in a cool place when not in use.
- After prolonged use the battery may become hot. Before removing the battery, switch the machine off and allow the battery to cool down. Do not use the battery if you notice any discoloration or distortion of the battery casing.

2. COMPONENTS




1	Battery release catch
2	Charge level indicator
3	Charge level indicator button


3. OPERATION


Battery pack	Charger (Not included)
600105094 (MABA20V2A)	Charger in ENERGY PACK 600105097 (MABC20V2A)


3.1 CHARGING THE BATTERY PACK

 **IMPORTANT:** The battery pack is not fully charged at the factory. Before attempting to charge them, thoroughly read all of the safety instructions.

- 1) Assure that the charger you are using matches your battery pack.
- 2) Insert the charger into 220-240V~, 50-60Hz outlet. The indicator light will turn to red to show the power is connected.
- 3) Insert the battery into the slot of charger . Make sure the contact with the charger is correct.
- 4) The indicator light becomes green and will flash when charging.
- 5) When fully charged the indicator light becomes to green.
- 6) Frequently monitor the charger and battery pack while connected.
- 7) Unplug the charger and disconnect it from the battery pack when finished.
- 8) Allow the battery pack to cool completely before using it.
- 9) Store the charger and battery pack indoors, out of reach of children.

 **NOTE:** If the battery does not fit properly, disconnect it and confirm that the battery pack is the correct model for this charger as shown on the specification chart. Do not charge any other battery pack or any battery pack that does not securely fit the charger.

 **NOTE:** If battery is hot after continuous use in the tool, allow it to cool down to room temperature before charging. This will extend the life of your batteries.

 **NOTE:** Remove battery pack from charger stand which use your thumb or fingers, press the battery's release button in and pull the battery pack off at the same time.

Battery capacity indicator

There are battery capacity indicators on the battery pack, you can check the capacity status of the battery if you squeeze the button.

Insert and remove the battery from charger

- Remove the battery: press the battery release latch in and at the same time pull the battery pack off.
- Insert the battery: position it on the base, then slide while pressing until the tool battery block stops.

4. MAINTENANCE AND STORAGE

4.1 MAINTENANCE

The batteries have been designed to provide maximum trouble-free life. However, like all batteries, they will eventually wear out. DO NOT disassemble battery pack and attempt to replace the batteries. Handling of these batteries, especially when wearing rings and jewellery, could result in serious burns.

To obtain the longest possible battery life, remove the battery pack from the charger once it is fully charged and ready for use.

4.2 STORAGE

Store the battery pack where the temperature is below 27°C.








Store battery packs in a "charged" condition (minimum of 30%-50% charged).

To charge the battery pack after a six months storage period, it is recommended to discharge the battery about 0%-20% (by running it in a tool) and charge afterwards to maximize the battery lifetime.

5. TECHNICAL SPECIFICATIONS

Model	600105094 (MABA20V2A)
Voltage	20V d.c.
Capacity	2.0Ah
Charge time	60 minutes
Cell type	Lithium-ion

6. SYMBOLS EXPLANATION

	Do not dispose of old appliances with domestic rubbish .
	Conforms to relevant safety standards.
	Do not expose batteries to temperatures exceeding 40 degrees.
	Do not dispose of batteries in fire. They could explode and cause injury.
	Do not dispose of batteries in water.
	Recycling.
	Recycle or dispose of Li-ion batteries properly.

7. DISPOSAL



Electric power tools, as well as their accessories and packaging, must each be able to follow an appropriate recycling pathway. Only for the countries of the European Union.

Do not throw away your electrical appliance with the household waste! In accordance with the European Directive 2012/19/EU on waste electrical and electronic equipment and its implementation in national laws, power tools that can no longer be used must be separated and follow an appropriate recycling pathway.

8. COMPATIBLE USE

	
<p>600125964 MAP20V2A</p>	<p>600105066 MASS20V</p>
<p>Cordless Drill</p>	<p>Cordless Jig Saw</p>
	
<p>600123625 MASSB20V</p>	<p>600123624 MAPE20V</p>
<p>Cordless Reciprocating saw</p>	<p>Cordless Sander</p>
	
<p>600105064 MAME20V</p>	
<p>Cordless Angle Grinder</p>	

9. WARRANTY

The manufacturer guarantees the product against defects in material and workmanship for a period of 2 years from the date of the original purchase. The warranty only applies if the product is for household use. The warranty does not cover breakdowns due to normal wear and tear.

The manufacturer agrees to replace parts identified as defective by the designated distributor. The manufacturer does not accept responsibility for the replacement of the machine, in whole or in part, and/or ensuing damage.

The warranty does not cover breakdowns due to:

- insufficient maintenance.
- abnormal assembly, adjustment or operations of the product.
- parts subject to normal wear and tear.

The warranty does not extend to:

- shipping and packaging costs.
- using the tool for a purpose other than that for which it was designed.
- the use and maintenance of the machine done in a manner not described in the user manual.

Due to our policy of continuous product improvement, we reserve the right to alter or change specifications without notice. Consequently, the product may be different from the information contained therein, but a modification will be undertaken without notice if it is recognized as an improvement of the preceding characteristic.

READ THE MANUAL CAREFULLY BEFORE USING THE MACHINE.

When ordering spare parts, please indicate the part number or code, you can find this in the spare parts list in this manual. Keep the purchase receipt; without it, the warranty is invalid. To help you with your product, we invite you to contact us by phone or via our website:

- **+33 (0)9.70.75.30.30**
- **<https://services.swap-europe.com/contact>**

You must create a "ticket" via the web platform.

- Register or create your account.
- Indicate the reference of the tool.
- Choose the subject of your request.
- Describe your problem.
- Attach these files: invoice or sales

receipt, photo of the identification plate (serial number), photo of the part you need (for example: pins on the transformer plug which are broken).



10. PRODUCT FAILURE

WHAT TO DO IF MY MACHINE BREAKS DOWN?

If you bought your product in a store:

- Make sure that your machine is complete with all accessories supplied, and clean! If this is not the case, the repairer will refuse the machine.
- Go to the store with the complete machine and with the receipt or invoice.

If you bought your product on a website:

- Make sure that your machine is complete with all accessories supplied, and clean! If this is not the case, the repairer will refuse the machine.
- Create a SWAP-Europe service ticket on the site: <https://services.swap-europe.com> When making the request on SWAP-Europe, you must attach the invoice and the photo of the nameplate (serial number).
- Contact the repair station to make sure it is available before dropping off the machine.

Go to the repair station with the complete machine packed, accompanied by the purchase invoice and the station support sheet downloadable after the service request is completed on the SWAP-Europe site

Please keep your original packaging to allow for after-sales service returns or pack your machine with a similar cardboard box of the same dimensions.

For any question concerning our after-sales service you can make a request on our website <https://services.swap-europe.com>

Our hotline remains available at +33 (9) 70 75 30 30.



11. WARRANTY EXCLUSIONS

THE WARRANTY DOES NOT COVER:

- Start-up and setting up of the product.
- Damage resulting from normal wear and tear of the product.
- Damage resulting from improper use of the product.
- Damage resulting from assembly or start-up not in accordance with the user manual.
- Breakdowns related to carburetion beyond 90 days and fouling of carburetors.
- Periodic and standard maintenance events.
- Actions of modification and dismantling that directly void the warranty.
- Products whose original authentication marking (brand, serial number) has been degraded, altered or withdrawn.
- Replacement of consumables.
- The use of non-original parts.
- Breakage of parts following impacts or projections.
- Accessories breakdowns.
- Defects and their consequences linked to any external cause.
- Loss of components and loss due to insufficient screwing.
- Cutting components and any damage related to the loosening of parts.
- Overload or overheating.
- Poor power supply quality: faulty voltage, voltage error, etc.
- Damages resulting from the deprivation of enjoyment of the product during the time necessary for repairs and more generally the costs related to the immobilization of the product.
- The costs of a second opinion established by a third party following an estimate by a SWAP-Europe repair station
- The use of a product which would show a defect or a breakage which was not the subject of an immediate report and/or repair with the services of SWAP-Europe.
- Deterioration linked to transport and storage*.
- Launchers beyond 90 days.
- Oil, petrol, grease.
- Damages related to the use of non-compliant fuels or lubricants.

* In accordance with transport legislation, damage related to transport must be declared to carriers within 48 hours maximum after observation by registered letter with acknowledgement of receipt. This document is a supplement to your notice, a non-exhaustive list.

Attention: all orders must be checked in the presence of the delivery person. In case of refusal by the delivery person, it you must simply refuse the delivery and notify your refusal.

Reminder: the reserves do not exclude the notification by registered letter with acknowledgement within 72 hours.

Information: Thermal devices must be wintered each season (service available on the SWAP-Europe site). Batteries must be charged before being stored.



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