



OWNER'S MANUAL Li-Ion Battery Pack

B150 Li (B05-3640)
B200 Li (B05-3650)



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1 ABOUT THESE OPERATING INSTRUCTIONS

- It is essential to read through these operating instructions carefully before start-up. This is essential for safe working and trouble-free handling.
- Always safeguard these operating instructions so that they can be consulted if you need any information about the appliance.
- Only pass on the appliance to other persons together with these operating instructions.
- Comply with the safety and warning information in these operating instructions.

1.1 Legends and signal words



DANGER!

Denotes an imminently dangerous situation which will result in fatal or serious injury if not avoided.



WARNING!

Denotes a potentially dangerous situation which can result in fatal or serious injury if not avoided.



CAUTION!

Denotes a potentially dangerous situation which can result in minor or moderate injury if not avoided.

IMPORTANT!

Denotes a situation which can result in material damage if not avoided.



NOTE

Special instructions for ease of understanding and handling.

2 PRODUCT DESCRIPTION

The B150 Li and B200 Li batteries are lithium ion batteries with a rated output voltage of max. 42 V and a charge storage capacity of 4 Ah and 5 Ah, respectively. As soon as the rechargeable battery is inserted into the charger, the charger automatically detects the charge status of the rechargeable battery. The charging process then begins. It ends automatically when the rechargeable battery is fully charged.

The rechargeable battery can be charged in any charge status. Interrupting the charging process does not damage the rechargeable battery.

2.1 Product overview (01 - page 4)

No.	Component
1	Control panel for determining the charge status
2	Rails and rechargeable battery contacts

3 DESIGNATED USE

The rechargeable battery is intended for Masport Energy Flex appliances that are operated by a rechargeable battery. It cannot be used in environments where there is a potential risk of explosion and/or fire. It is intended for use only in the garden and hobby area, not for professional use.

The rechargeable battery must only be charged with the Masport Energy Flex battery charger.

C130 Li Battery Charger

Charger Product No. 11328145



DANGER!

Danger of explosions and fires!

Persons can be fatally or severely injured if the rechargeable battery explodes because it was used in an environment where there is a potential risk of explosion and/or fire.

- Do not use the rechargeable battery in a potentially explosive environment.
- Do not throw the rechargeable battery into an open fire.



DANGER!

Danger of fires and electric shocks!

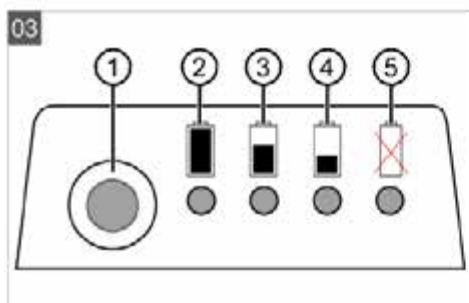
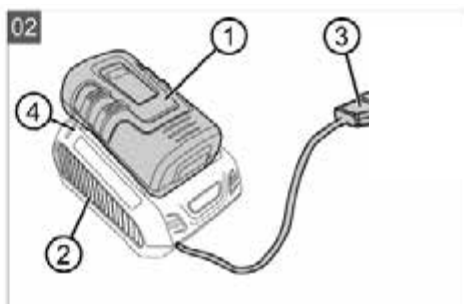
Persons can be fatally or severely injured if the rechargeable battery causes a fire due to a short-circuit because it was exposed to moisture and humidity.

- Do not expose the rechargeable battery to moisture and humidity.

4 BASIC SAFETY INSTRUCTIONS

This section mentions all basic safety and warning information to be heeded when using the charger. Read these instructions.

- Only use the rechargeable battery as designated, i.e. for Masport rechargeable battery-driven devices. Charge the rechargeable battery only with the charger (see *chapter 3 "Designated use"*).
- Only unpack the new rechargeable battery from the original packaging when it is to be used.
- Fully charge the rechargeable battery before using it for the first time and always use the specified charger. Always comply with the details given in these instructions for use for charging the rechargeable battery.
- Only use original rechargeable batteries and chargers from Masport.
- Do not use the rechargeable battery in environments where there is a potential risk of explosion and/or fire.
- Do not expose the rechargeable battery to moisture and humidity when in use on the appliance.
- Protect the rechargeable battery from heat, oil and fire to prevent it being damaged so no vapours and electrolyte liquids can escape.
- Do not subject the rechargeable battery to impacts or throw it.
- Do not use the rechargeable battery when soiled or wet. Before use, clean and dry the rechargeable battery with a dry, clean cloth.
- When battery pack is not in use, keep it away from other metal objects, like paperclips, coins, keys, nails, screws or other small metal objects that can make a connection from one terminal to another. Burns or fire can result from a short-circuit.
- Do not open, dismantle or crush the rechargeable battery. There is a danger of electric shock and short-circuit.
- An improperly used and damaged rechargeable battery can cause vapours and electrolyte fluid to escape. Vent the room adequately and in the case of any disorders, consult a doctor.
In the event of contact with electrolyte fluid, flush with water and immediately rinse the eyes thoroughly. Then consult a doctor.
- The rechargeable battery must not be used by unauthorised persons unless they are supervised by a person responsible for their safety or have been instructed on how to use the rechargeable battery.
 - by persons (including children) with limited physical, sensory or mental aptitude.
 - by persons who have no experience and/or knowledge of the appliance.
- Children must be supervised and instructed so they do not play with the rechargeable battery.
- Do not leave the rechargeable battery permanently in the charger. For prolonged storage, remove the rechargeable battery from the charger.
- When not in use, remove the rechargeable batteries from the operated appliances.
- Dry the unused rechargeable battery and store in a closed place.
- Protect from heat and direct sunlight. Unauthorised persons and children must not have access to the rechargeable battery.



5 UNPACKING THE RECHARGEABLE BATTERY

Only unpack a new rechargeable battery from the original packaging when you want to use it.

6 DETERMINING THE CHARGE STATUS OF THE RECHARGEABLE BATTERY (03 - page 4)

There is a control panel with a pushbutton (03/1) and LED charge status displays (03/2 to 03/5) on the front of the rechargeable battery.

1. Press the pushbutton (03/1).
 - The charge status displays light according to the charge status of the rechargeable battery.
2. To identify the charge status, see section "Charge status displays on the rechargeable battery".

Charge status displays on the rechargeable battery

Lighting LEDs	Charge status of the rechargeable battery
Green (03/2)	Rechargeable battery is fully charged, i.e. to 100 %.
Green (03/3) and (03/4)	Rechargeable battery is charged to over 50 %.
Green (03/4)	Rechargeable battery is charged to less than 50 %.
Red (03/5)	The rechargeable battery is fully discharged or the rechargeable battery has been overheated/undercooled.

7 CHARGING THE RECHARGEABLE BATTERY (02 - page 4)



DANGER!

Danger of fire during charging!

The charger heats up when charging. There is a danger of fire if the charger is placed on a flammable surface and is not adequately ventilated.

- Always use the charger on a non-flammable surface and in a non-combustible environment.



NOTE

Fully charge the rechargeable battery before using it for the first time.

The rechargeable battery can be charged in any charge status. Interrupting charging does not damage the rechargeable battery.

1. Insert the rechargeable battery (02/1) in the charger (02/2) and plug the power plug (02/3) into the power outlet.
 - The charging process begins and the LED for indicating the operating status (02/4) flashes green.
2. Observe the LED (02/4). Complete charging takes approx. 1.5 to 2 hours, depending on the battery capacity.
 - The charging process ends automatically when the rechargeable battery is fully charged. The LED (02/4) then lights permanently green.
3. Disconnect the power plug (02/3) when the LED (02/4) lights permanently green.
4. Press and hold the lock knob on the underside of the rechargeable battery. Then pull the rechargeable battery (02/1) out of the charger (02/2).

8 HELP IN CASE OF MALFUNCTION



NOTE

How to determine the charge status is described in the operating instructions for the rechargeable battery.



NOTE

If you encounter any malfunctions that are not listed in this table or that you cannot rectify yourself, please contact your local service dealer.

Errors that occur	Displays	Possible cause	Solution
The rechargeable battery is not charging.	LED on the charging unit lights permanently red.	The service life of the rechargeable battery has expired.	Replace the rechargeable battery. Only use original accessories from Masport.
		The rechargeable battery is not fully inserted in the charger.	Fully insert the rechargeable battery in the charger.
		The plug contacts of the rechargeable battery or charger are soiled.	Disconnect the power plug and clean the plug contacts with a dry cloth. If the fault reoccurs, contact a Masport service centre.
		The rechargeable battery or charger is faulty.	Replace the rechargeable battery. Only use original accessories from Masport.
	The LED on the charger flashes red.	The rechargeable battery or charger is too hot.	Disconnect the power plug and let the rechargeable battery and charger cool down. Keep the ventilation slots of the charger clear.
	The LED on the charger is not active.	No mains voltage.	Insert the power plug or check that mains voltage is present.
The rechargeable battery has been removed from the charger and is not charged.	On the rechargeable battery the red LED lights after pressing the pushbutton.	There is a fault on the rechargeable battery or on the charger (see above causes).	See above measures.

9 TRANSPORT



NOTE

The total stored energy of the rechargeable battery is more than 100 Wh.
Heed the following transport instructions.

The Li-ion rechargeable battery is subject to the requirements of the hazardous goods law. The

rechargeable battery can be transported on public roads by the private user without further conditions. Only transport the rechargeable battery if it is undamaged. The rechargeable battery must be protected against contact with other objects, short-circuit and accidental shifting. For shipment by third parties (e.g. by shipping agent or air freight), heed the special requirements on packaging and marking.

A hazardous goods specialist must be involved in the preparation of the shipment. Only ship rechargeable batteries if the housing is undamaged. Tape off exposed contacts and pack the rechargeable battery so it can no longer move in the packaging.

Please follow any other national regulations.

10 STORING THE RECHARGEABLE BATTERY



DANGER!

Danger of explosions and fires!

Persons will be fatally or severely injured if the rechargeable battery explodes because it was stored in front of naked flames or heat sources.

- Store the rechargeable battery in cool and dry conditions, but not in front of naked flames or heat sources.



NOTE

When charging in the charger, the rechargeable battery is protected from overcharging due to automatic detection of the charge status and thus can remain in the charger for some time, but not permanently.

- **Store the rechargeable battery in a dry, frost-free place at an ambient temperature between 0°C and +25°C and with a charge state of approx. 40 - 60%.**
- Recharge the rechargeable battery after approx. 3 months.

11 DISPOSAL



- Electrical and electronic appliances do not belong in household waste, but should be collected and disposed of separately.

- Used batteries or rechargeable batteries that are not installed permanently in the old appliance must be removed before disposal. Their disposal is regulated by the battery law.
- Owners or users of electrical and electronic appliances are obliged by law to return them after use.

- The end user bears personal responsibility for deleting his personal data from the old appliance to be disposed of.

The symbol of the crossed-through rubbish bin means that electrical and electronic appliances may not be disposed of in the household rubbish. Electrical and electronic appliances can be handed in at the following places at no charge:

- Public service disposal or collection points (e.g. municipal building yards)
- Points of sale of electrical appliances (stationary and online) provided traders are obliged to take them back or offer this voluntarily.

These statements apply to appliances that are installed and sold in countries of the European Union and are subject to European Directive 2012/19/EU. AS/NZS 5377:2013 is equivalent to WEEE Directive 2012/19/EU. This type of battery is potentially hazardous waste and should be taken to local recycling/disposal center that are certified for disposal.



- Used batteries and rechargeable batteries do not belong in household waste, but should be collected and disposed of separately.

- For safe removal of batteries or rechargeable batteries from the electrical appliance and for information on their type or chemical system, follow the further information within the operating or installation instructions.
- Owners or users of batteries and rechargeable batteries are obliged by law to return them after use. Return is limited to the hand-over of customary household quantities.

Used batteries can contain harmful substances or heavy metals that can cause damage to the environment and human health. Reuse of the used batteries and use of the resources contained therein contributes to the protection of these two essential commodities.

The symbol of the crossed-through rubbish bin means that batteries and rechargeable batteries may not be disposed of in household rubbish.

In addition, if the symbol Hg, Cd or Pb appears under the rubbish bin, this stands for the following:

- Hg: Battery contains more than 0.0005 % mercury
- Cd: Battery contains more than 0.002 % cadmium

■ Pb: Battery contains more than 0.004 % lead
Rechargeable batteries and batteries can be handed in at the following places at no charge:

- Public service disposal or collection points (e.g. municipal building yards)
- Points of sale of batteries and rechargeable batteries
- Disposal points of the common take-back system for the used batteries of appliances
- Disposal point of the manufacturer (if not a member of the common take-back system)

These statements apply to appliances that are installed and sold in countries of the European Union and are subject to European Directive 2012/19/EU. AS/NZS 5377:2013 is equivalent to WEEE Directive 2012/19/EU. This type of battery is potentially hazardous waste and should be taken to local recycling/disposal center that are certified for disposal.

12 TECHNICAL DATA

Item no.	11328045	11352445
Designation	B150 Li	B200 Li
Model (EN 62133)	B05-3640	B05-3650
Rated voltage	42 V max.*	42 V max.*
Rated capacity (charge quantity)	4 Ah	5 Ah
Total stored energy	144 Wh	180 Wh
Operating temperature range	+5 °C to +40 °C	+5 °C to +40 °C
Storage temperature range	0 °C to +25 °C	0 °C to +25 °C
Dimensions (Length x Width x Height)	L = 180 mm, W = 105 mm, H = 80 mm	L = 180 mm, W = 105 mm, H = 80 mm
Weight	1.4 kg	1.4 kg

Disclaimer: *Maximum initial battery voltage (measured off load) is 42 V.

Nominal voltage as per industry rule (3.65V/cell) is 36 Volts.

13 WARRANTY

13.1 Warranty provider

13.1.1 The Warranty set out below is provided by Masport Limited, a New Zealand company located at 1-37 Mt Wellington Highway, Panmure, Auckland 1060, New Zealand and Masport Australia Pty Ltd., 1/40 Abbots Rd, Dandenong South, Victoria 3175 Australia. For any questions regarding this Warranty or to make a warranty claim call 0800 627 767 (New Zealand) or 1300 366 225 (Australia), or contact your local Masport Specialist retailer.

13.2 General warranty coverage

- 13.2.1 The New Zealand Consumer Guarantees Act 1993 ("New Zealand Consumer Act") and the Australian Competition and Consumer Act 2010 (including the Australian Consumer Law 2011) ("Australian Consumer Law"), as well as other laws in each of those jurisdictions, guarantee or imply certain conditions, warranties and undertakings, and give you other legal rights, in relation to the quality and fitness for purpose of our products sold in New Zealand and Australia respectively.
- 13.2.2 For products sold in New Zealand, these conditions, warranties and undertakings cannot be modified or excluded by any contract, except in those circumstances

contemplated by section 43(2) of the New Zealand Consumer Act.

- 13.2.3 For products sold in Australia, our goods come with guarantees that cannot be excluded under the Australian Consumer Law. You are entitled to a replacement or a refund for a major failure and for compensation for any other reasonably foreseeable loss or damage. You are also entitled to have the goods repaired or replaced if the goods fail to be of acceptable quality and the failure does not amount to a major failure. What constitutes a major failure is set out in the Australian Consumer Law.

13.3 Warranty

- 13.3.1 Masport warrants to you that each Product will be free from material defects in workmanship or materials from the date the Product is originally purchased until the end of the warranty period set out in the table below;

Garden Products	Warranty Period
Energy Flex Products	4 years
Li-ion Batteries and Charger	3 years

- 13.3.2 Energy Flex product range is not intended for commercial use. Any commercial use as well as unauthorised conversions or add-ones will void this warranty agreement.
- 13.3.3 Masport will repair or replace (at Masport's sole option) any Product that does not comply with the Warranty. The repair or replacement by Masport may be performed by a Masport agent or Specialist Retailer. You will not be charged for any labour costs involved in the repair or replacement but must bear the cost of transporting or delivering the Product to and from the location of the Masport agent or Specialist Retailer where the warranty claim is made.
- 13.3.4 Masport warrants that repair facilities and spare parts will be made available for each Product only from the date the Product is originally purchased until the end of the applicable warranty period as stated in clause 13.3.1 above, but for no

longer period.

13.4 Exclusions from Warranty

- 13.4.1 No warranty is given under clause 13.3 where any defect, malfunction or failure is caused or contributed to by any of the following:
- (a) Failure to follow all instructions in this manual.
 - (b) modification, repairs or alteration of the Product carried out by persons other than authorised Masport service agents;
 - (c) acts or omissions by anyone other than Masport after the Product has left Masport's control;
 - (d) Wear parts that are marked with a frame xxxxxx (x) on the spare parts list.
 - (e) Paint damage that can be attributed to normal wear and tear
 - (f) accidental damage, neglect, misuse of the product;
 - (g) any event outside of Masport's reasonable control, including without limitation, adverse weather conditions;
 - (h) sharpening or setting of blades; or
 - (i) pre-delivery assembly of the Product by anyone except for Masport, Masport authorised service agents or any other person authorised by Masport.
 - (j) Batteries left in a state of discharge or not regularly maintained as per instructions.

13.5 Warranty in addition to consumer protection laws

- 13.5.1 Despite anything else in this warranty, nothing in this warranty will exclude, limit or modify any Consumer Protection Warranty or any liability of Masport imposed by applicable law if to do so would be unlawful or make any part of this warranty void or voidable.
- 13.5.2 The Warranty is in addition to any Consumer Protection Warranty that may apply, for example, under the New Zealand Consumer Act or the Australian Consumer Law, or under the laws of the place where the Product was purchased.

To the extent permitted by applicable law, Masport's liability under any Consumer Protection Warranty will be limited (at Masport's sole option) to Masport repairing or replacing the relevant Product or paying for such repair or replacement.

13.6 No other warranties or liability

- 13.6.1 Subject to Clause 13.5, Masport excludes all express or implied warranties, guarantees, conditions or terms in relation to the Product. All statements, technical information and recommendations about the Product are believed to be reliable, but do not constitute a guarantee or warranty. No statements, representations or recommendations other than those contained in the official technical information published by Masport, will bind Masport, unless made in writing signed by an authorised representative of Masport.
- 13.6.2 Subject to Clause 13.5, in no event will Masport be liable (whether in contract, tort, negligence or in any other way) for:
- (a) loss of profits or savings, loss of goodwill or opportunity, loss of production or wasted time; or
 - (b) loss, damage, cost or expense of any kind whatsoever which is indirect, consequential, or of a special nature, arising directly or indirectly from the Product, even if Masport had been advised of the possibility of such damages.
- 13.6.3 Subject to Clause 5, in no event will Masport's total liability under any claim of whatever nature arising directly or indirectly from the Product exceed the price you paid for the Product.
- 13.6.4 This warranty embodies the entire agreement between you and Masport in relation to the subject matter of this warranty and supersedes all prior understandings, communications and representations between you and Masport, whether oral or written. No amendment to this warranty will be effective unless in writing and signed by an authorised representative of Masport. You may not assign or transfer the Warranty without the prior written

consent of Masport. This warranty will be governed by the law of New Zealand and Australia, and will be subject to the non-exclusive jurisdiction of the New Zealand and Australian courts.

13.7 How to obtain service for a faulty Product

- 13.7.1 You must return the Product to the place of purchase or any Masport Specialist retailer, along with reasonable evidence of the date the Product was purchased, for example, an original receipt.
- 13.7.2 Masport or its agent will assess the claim and if accepted, will repair or replace the Product in accordance with the normal practices of the relevant Masport service agent.
- 13.7.3 All claims under the Warranty must be made within the relevant warranty period.

13.8 Definitions

In this warranty:

- 13.8.1 **"Consumer Protection Warranty"** means any warranty, guarantee, term, condition, right or remedy implied or imposed by applicable law;
- 13.8.2 **"Warranty"** means the warranty in Clause 13.3.1;
- 13.8.3 **"Masport"** means Masport Limited, a New Zealand company located at 1-37 Mt Wellington Highway, Panmure 1060, Auckland, New Zealand and Masport Australia Pty Ltd., 1/40 Abbots Rd, Dandenong South, Victoria 3175 Australia;
- 13.8.4 **"Product"** means the Masport garden product accompanying this warranty;
- 13.8.5 **"You"** means the original purchaser of the Product.

Thank you for purchasing your Masport product. We know that you'll enjoy it!
To register your product warranty, simply visit our website:
www.masport.com

Failure to register your product warranty will not affect your rights under any Consumer Protection Warranty, however registration may help Masport deal with any warranty claim more efficiently.

14 EU DECLARATION OF CONFORMITY

Product Lithium ion battery	Manufacturer AL-KO Geräte GmbH Ichenhauser Str. 14 D-89359 Kötz Germany	Duly authorised person for technical file Andreas Hedrich Ichenhauser Str. 14 D-89359 Kötz Germany
Serial number G1990012		
Type/model B150 Li (B05-3640) B200 Li (B05-3650)	EU directives 2014/30/EU 2011/65/EU	Harmonised standards EN 62133:2013 EN 55014-1:2006+A2:2011 IEC 62133:2012

Dr. Wolfgang Hergeth
Managing Director

The B150 Li und B200 Li rechargeable batteries are intended for the Masport appliances mentioned here and comply with the CE directives.

Machine	Article number
S18 Battery-powered lawnmower	578744
HT 4055 battery-powered hedge trimmer	11360945
LB 4060 battery-powered leaf blower	11361045
MT 40 battery-powered Multitool	11361154/134209/134208
CS 4030 battery-powered chain saw	11361645
SF 4036 battery-powered scarifier	113574
Battery charger	11328145



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