



User Manual

**ACTIV
ENERGY**

20 V BATTERY

AEB 20 - 2.0l

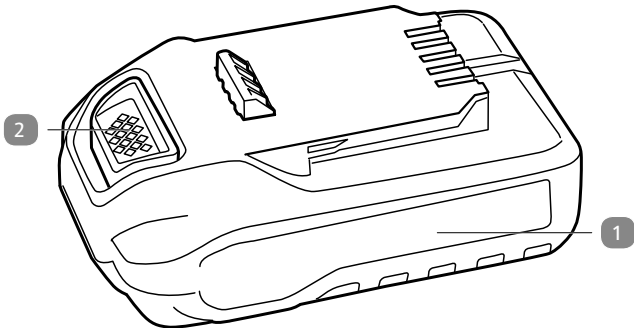


Original instructions

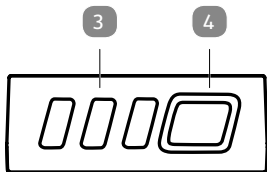
Contents

Overview	4
Use.....	5
Package contents/device parts	6
General information	7
Reading and storing the user manual	7
Explanation of symbols.....	8
Safety.....	12
Proper use	12
Safety instructions	14
Additional safety instructions.....	20
Checking the battery and package contents.....	21
Application area.....	22

Use.....	23
Inserting the battery	24
Removing the battery	24
Charging the battery and checking the charge level.....	25
Charging the battery	25
Checking the battery charge level.....	28
Cleaning and care	30
Storage	32
Technical data	33
Disposal	34
Disposing of the packaging.....	34
Disposing of the battery.....	35



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Package contents/device parts

- 1 Battery
- 2 Release button
- 3 Charge level indicator
- 4 Charge level test button

General information

Reading and storing the user manual



This user manual accompanies this 20 V battery (referred to below only as “battery”). It contains important information about start-up and handling.

Before using the battery, read the user manual carefully. This particularly applies to the safety instructions. Failure to observe the information in this user manual can lead to serious injury or damage to the battery. The user manual is based on the standards and rules in force in the European Union. When abroad, you must also observe country-specific guidelines and laws. Store the user manual for future use. If you pass the battery on to third parties, please be absolutely sure to include this user manual.

Explanation of symbols

The following symbols and signal words are used in this user manual, on the battery or on the packaging.



WARNING!

This signal symbol/word designates a hazard with moderate degree of risk which may lead to death or severe injury if not avoided.



CAUTION!

This signal symbol/word designates a hazard with low risk, which may result in minor or moderate injury if not avoided.

NOTICE!

This signal word warns against potential damages to property.



Read the user manual.



Never expose the rechargeable battery to temperatures exceeding 50 °C.



Ensure that the rechargeable battery does not come into contact with water. Do not throw the rechargeable battery in water. Danger of explosion!



Do not throw the rechargeable battery in the toilet.



Do not throw the rechargeable battery into fire.
Danger of explosion!



Products marked with this symbol meet all applicable Community regulations for the European Economic Area.

Safety

Proper use

The battery is designed solely as a power supply for power tools and electrical application equipment. It is exclusively intended for private use and is not suitable for commercial use.

Use the battery only as described in this user manual. Any other use is deemed improper and may lead to damage of property or injury to persons. The battery is not a toy.

The manufacturer or vendor accepts no liability for damage caused by improper or incorrect use. Examples of misuse are given in the following non-exhaustive list:

- Failure to observe the temperature limits;

- Charging the battery with an alternative charger to that specified in the technical data;
- Opening or dismantling the battery;
- Short-circuiting the battery;
- Modifications to the battery;
- Repairs of the battery performed by parties other than the manufacturer or a qualified professional;
- use of the battery for commercial or industrial applications as well as in connection with the trades;
- Operation and maintenance of the battery performed by persons who do not know how to use the battery and have not been warned of associated risks of use.

Safety instructions



WARNING!

Risk of electric shock!

Touching live parts may result in an electrical shock.

- Do not operate the battery with an external timer or separate telecontrol system.
- Do not submerge the battery in water or other liquids.
- Never touch the battery with damp hands.

- Use the battery indoors only. Never operate it in wet rooms or in the rain.
- Never store the battery in a place where there is a risk of it falling into a bathtub or a sink.
- Never reach to retrieve an electrical device if it has fallen into water.
- Make sure that children do not put any objects into the battery.
- Only parts that comply with the original device data may be used for repairs. This battery contains electrical and mechanical parts essential for protecting against hazard sources.



WARNING!

Hazard for health and environment!

If the battery is damaged, lithium can leak out. Lithium causes serious chemical burns to skin.

- Do not operate the battery if it is visibly damaged or defective.
- Keep the battery away from open fire and hot surfaces.
- Never touch damaged batteries with bare hands.

- Gases, vapours and liquids can escape from the battery from internal, invisible damage and in the event of a fire. These may cause external and internal organ damage.
- Do not open the casing; always arrange for a qualified professional to carry out any repairs. Contact a qualified workshop for this. Liability and warranty claims are waived in the event of repairs performed by the user, improper connection or incorrect operation.



WARNING!

Danger for children and persons with impaired physical, sensory or mental capacities (e.g. partially disabled persons, older persons with reduced physical and mental capacities) or lack of experience and knowledge (e.g. older children).

- This battery may be used by children from the age of eight and by persons with reduced physical, sensory or mental abilities or by those

lacking in experience and/or knowledge, if they are supervised or have been instructed in the safe use of the battery and have understood the dangers that may arise when using it.

Children must not play with the battery.

Cleaning and user maintenance must not be performed by unsupervised children.

- Keep children under eight years of age away from the battery.
- Do not let children play with the packaging. Children may get caught in it when playing and suffocate.

Additional safety instructions

Battery liquids can leak under extreme conditions. If you notice liquids leaking from the battery, proceed as follows:

- Do not use the battery.
- Wear protective gloves when touching the battery.
- Do not inhale escaping gases or vapours.
- Carefully wipe up liquid with a cloth. Avoid skin contact with the escaping liquid.

Should the liquid come into contact with skin or eyes, proceed as follows:

- In the event of eye contact, rinse eyes with plenty of clean water for at least 10 minutes. Consult a physician immediately.

- Rinse the affected area with plenty of clean water immediately. Unless the affected area is in or around the eyes, neutralise the area with a mild acid such as lemon juice or vinegar.

Checking the battery and package contents

NOTICE!

Risk of damage!

If you are not cautious when opening the packaging with a sharp knife or other pointed objects, you may quickly damage the battery.

- Be very careful when opening.
 1. Take the battery out of the packaging.
 2. Check to make sure that all parts are included (see **Fig. A**).
 3. Check whether the battery or the individual parts show signs of damage. If this is the case, do not use the battery. Contact the manufacturer at the service address specified on the warranty card.

Application area

This battery is suitable solely for use with FERREX® appliances. This battery can be used solely for 20 V appliances in this range.

Observe and follow the user manual of the application equipment.

Use



WARNING!

Risk of accident and injury!

There is a risk of accident and injury through inadvertently pressing the On/Off switch on the power tool when inserting and removing the battery.

- Do not touch the On/Off switch on the power tool while inserting or removing the battery.

Inserting the battery

1. Push the battery **1** into the battery holder of the power tool or charger.

When pushing in, ensure that the contacts on the power tool or charger slot into the designated contact grooves on the battery and that the side guides on the battery slot into the designated grooves.

2. Ensure that you hear and feel the locking mechanism on the rear of the battery engage and that the battery is secure.

Removing the battery

1. Press the release button **2** on the battery **1**.
2. Pull the battery out of the power tool or charger in the direction of the release button.

Charging the battery and checking the charge level

Charging the battery



WARNING!

Risk of electric shock!

A faulty electrical installation or excessive mains voltage may result in an electric shock.

- Connect the charger only to an easily accessible socket so that you can quickly disconnect it from the mains supply in the event of a failure.

NOTICE!

Risk of damage!

Failure to properly charge the battery may damage the battery and the charger.

- Charge the battery in a ventilated, dry and dust-free environment only.
- Charge the rechargeable battery at an ambient temperature between 4 °C and 40 °C.
- Charge the battery if the charge level indicator shows that the battery is depleted.

1. Push the battery **1** into the battery holder of the charger.

When pushing in, ensure that the contacts on the charger slot into the designated contact grooves on the battery and that the side guides on the battery slot into the designated grooves.

Observe and follow the user manual for the charger.

2. Disconnect the battery from the charger when it is completely charged.

Checking the battery charge level



CAUTION!

Risk of injury!

Allowing yourself to become distracted by checking the battery charge level increases the risk of accident and injury.

- Never check the battery charge level and other functions while operating the power tool.
- Always keep your eye on the power tool during operation.

The battery **1** has a charge level indicator **3** with three LEDs, which indicate the charge level.

- Press and hold the charge level test button **4** to display the charge level.

Depending on the battery charge level, the LEDs illuminate as follows:

- 3 LEDs illuminate: Battery is charged;
- 2 LEDs illuminate: Battery is 60 % charged;
- 1 LED illuminates: Battery is almost depleted.

Cleaning and care

NOTICE!

Risk of short circuit!

Water or other liquids that have penetrated the housing may cause a short circuit.

- Never submerge the battery in water or other liquids.
- Make sure that no water or any other liquids get into the casing.

NOTICE!

Risk of damage!

Improper handling of the battery may result in damage to the battery.

- Do not use any aggressive cleaners, brushes with metal or nylon bristles or sharp or metallic cleaning utensils such as knives, hard scrapers and the like. They could damage the surfaces.
- Never put the battery in the dishwasher. It would be destroyed.
 1. Allow the battery to completely cool.

2. Wipe the battery with a damp cloth. Then let all parts dry completely.
3. Clean the dirty contacts of the rechargeable battery with a dry, clean cloth.

Storage

All parts must be completely dry before being stored.

- Should the battery be stored for an extended period of time, regularly check the charge level of the battery.

The optimal charge level is between 50 % and 80 % of its capacity.

- Always store the battery in a dry place.
- Protect the battery from direct sunlight.
- Store the battery so that it is not accessible to children, securely locked away and at a storage temperature between 5 °C and 20 °C (room temperature).

Technical data

Article number:	97873
Model:	AEB 20 - 2.0I
Model number:	5900903/5900904
Max. voltage:	20 V===
Capacity:	2000 mAh
Battery type:	Li-ion
Charging time:	approx. 45 min.
Suitable charger	
Model:	ACTIV ENERGY® / 21 V===/ 4.0 A

Please see the technical specifications for the charger.

Disposal

Disposing of the packaging



Dispose of the packaging separated into single type materials. Dispose of paperboard and cardboard with waste paper and plastics with recyclable waste.

Disposing of the battery

(Applicable in the European Union and other European states with systems for the separate collection of reusable waste materials)

Batteries and rechargeable batteries must not be disposed of with household waste!



As the end user you are required by law to bring all batteries and rechargeable batteries, regardless of whether they contain harmful substances* or not, to a collection point run by the communal authority or borough or to a retailer, so that they can be disposed of in an environmentally friendly manner.

*labelled with: Cd = cadmium, Hg = mercury, Pb = lead

Old devices must not be disposed of with household waste!



If the rechargeable battery can no longer be used, every user **is required by law to dispose of old devices separately from their household waste**, e.g. at a collection point in their community / city district.



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Great care has gone into the manufacture of this product and it should therefore provide you with years of good service when used properly.

In the event of product failure within its intended use over the course of the first 2 years after date of purchase, we will remedy the problem as quickly as possible once it has been brought to our attention. In the unlikely event of such an occurrence, or if you require any information about the product, please contact us via our helpline support services, details of which are to be found both in this manual and on the product itself.

AFTER SALES SUPPORT

97873



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MODEL:

AEB 20 - 2.0l / 5900903/5900904

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YEAR
WARRANTY