

Charger 2.5Ah/5.5Ah

E60CH25/E60CH55

ANOVA

Instructions and user manual



ANOVA[®] e⁺

EN

Milesur SLU
Rúa Eduardo Pondal, nº 23 - Pol. Ind. Sigüeiro
15688 - Oroso - A Coruña - 981 696 465 - www.millasur.com





Anova would like to congratulate you for choosing one of our products and guarantee you the assistance and cooperation that has always distinguished our brand over time.

This machine is designed to last for many years and to be of great use if used in accordance with the instructions contained in the user manual. We therefore recommend that you read this instruction manual carefully and follow all our recommendations.

For more information or questions you can contact us through our web supports such as www.anova.es

INFORMATION ABOUT THIS MANUAL

Please pay attention to the information provided in this manual and on the appliance for your safety and the safety of others.

- This manual contains instructions for use and maintenance.
- Take this manual with you when working with the machine.
- Contents correct at time of printing.
- We reserve the right to make changes at any time without affecting our legal responsibilities.
- This manual is considered an integral part of the product and must remain with it in case of loan or resale.
- Ask your dealer for a new manual if it is lost or damaged.

READ THIS MANUAL CAREFULLY BEFORE USING THE MACHINE



To ensure your machine provides the best results, please read the usage and safety instructions carefully before using it.

OTHER WARNINGS:

Incorrect use may cause damage to the machine or other objects.

Adaptation of the machine to new technical requirements may cause differences between the content of this manual and the purchased product.

Read and follow all instructions in this manual. Failure to follow these instructions could result in serious personal injury.

INDEX

1. SAFETY INSTRUCTIONS
2. PRODUCT DESCRIPTION
3. TECHNICAL SPECIFICATIONS
4. OPERATING INSTRUCTIONS
5. MAINTENANCE
6. TROUBLESHOOTING
7. WARRANTY
8. ENVIRONMENT

1. SAFETY INSTRUCTIONS

1.1. General information about the product and this manual

Important



Be sure to read and understand all safety instructions in this instruction manual, including all warning symbols before using this product. Failure to follow all instructions listed below may result in electric shock, fire, and/or serious personal injury.

This battery charger has many features to make its use more efficient and convenient. Safety, performance and reliability have been given top priority in the design of this product, making it easy to maintain and operate.

Warning

Operating any power tool can cause foreign objects to enter your eyes, which may result in serious eye damage. Before you begin using the power tool associated with this charger, always wear safety glasses with side shields and a full face shield when required. We recommend a wide vision safety mask to be worn over standard safety glasses with side shields.

Note: To ensure safety, all repairs must be carried out by your official Anova technician.

1.2. Safety symbols

This section shows and describes the safety symbols that may appear on this product. Read, understand, and follow all instructions before attempting to use this product.

The purpose of safety symbols is to draw your attention to potential hazards. Safety symbols and the explanations they contain deserve your careful attention and understanding. Warning symbols do not, by themselves, eliminate any hazard. The instructions and warnings they provide are not a substitute for proper accident prevention measures.



CE marking



Indicates a potential risk of personal injury.



To reduce the risk of injury, the user must read and understand the operator's manual before using this product. Failure to do so may result in serious injury to the operator and/or bystanders.



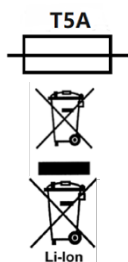
Safety class II



The device is suitable for indoor use only.



Do not expose tools to rain. Do not use tools in damp or wet locations.



Fuse

Any damaged or discarded electrical or electronic equipment must be delivered to the appropriate collection centres.

Do not dispose of power tools, rechargeable batteries/rechargeable batteries with household waste. Power tools and batteries that have reached the end of their useful life should be collected separately and returned to an environmentally friendly recycling facility. Check with your local authority for recycling advice and collection points.

1.3. General safety instructions

The term "power tool" in all warnings listed below refers to corded power tools or battery-operated (cordless) power tools.

To ensure safety and reliability, all repairs must be performed by an official dealer.

1.3.1. Safety in the work area

- Keep the work area clean and well lit. Cluttered or dark areas invite accidents.
- Do not use power tools in explosive environments, such as in the presence of flammable liquids, gases or dust. Power tools create sparks that can ignite dust or fumes.

1.3.2. Electrical safety

- Avoid body contact with grounded surfaces such as pipes, radiators, stoves and refrigerators. There is an increased risk of electric shock if your body is grounded.
- Electrical appliance plugs must match the outlet. Never modify the plug in any way.
- Do not use any adapter plugs with grounded power tools. Unmodified plugs and compatible outlets will reduce the risk of electric shock.
- Do not expose power tools to rain or wet conditions. Water entering a power tool will increase the risk of electric shock.
- Do not abuse the cord. Never use the cord to carry, pull or unplug the power tool. Keep the cord away from heat, oil, sharp edges or moving parts. Damaged or entangled cords increase the risk of electric shock.
- Do not use this product outdoors.

1.3.3. Service and maintenance

- Follow the instructions in the maintenance section of this manual. Use of unauthorized parts or failure to follow maintenance instructions may create a risk of electric shock or injury.

1.4. Safety on the charger

- To reduce the risk of electric shock or damage to the charger and battery, charge only lithium-ion rechargeable batteries specifically designated on your charger label. Other types of batteries may explode and cause injury or personal damage.
- Before using the battery charger, read all instructions and cautionary markings in this manual and on the battery charger, battery, and product using the battery to avoid misuse of the products and possible injury or damage.
- Do not use the charger outdoors or expose it to damp or wet conditions. Water entering the charger will increase the risk of electric shock.
- Do not handle the charger, including the charger plug and terminals. Do not touch the product or any of its components with wet hands.
- Using an accessory not approved by the battery charger manufacturer may result in a risk of fire, electric shock, or personal injury.
- Recharge only with the charger specified by the manufacturer. A charger suitable for one type of battery may create a risk of fire when used with another battery.
- Do not abuse the cord or charger. Never use the cord to carry the charger. Do not yank the charger cord to disconnect the plug. Damage to the cord or charger may occur and create a risk of electric shock.
- Make sure the cord is located so that it will not be stepped on, tripped over, come into contact with sharp edges or moving parts, or be subjected to damage or stress. This will reduce the risk of accidental falls, which could cause injury, and damage to the cord, which could result in electric shock.
- Keep the cable and charger away from heat to avoid damage to the casing or internal parts.
- Do not allow gasoline, oils, petroleum products, etc. to come into contact with plastic parts. These materials contain chemicals that can damage, weaken or destroy plastic.
- Do not use the charger with a damaged cord or plug, which may cause short circuits and electric shock. If damaged, have the charger repaired or replaced by an authorized service technician at an official service center.
- Do not use the charger if it has received a sharp blow, been dropped, or otherwise damaged in any way. Take it to an authorized service technician for an electrical check to determine if the charger is in good working order.
- Do not disassemble the charger. Take it to an authorized service technician when service or repair is required. Incorrect reassembly may result in risk of electric shock or fire.
- Unplug the charger from the outlet before attempting any maintenance or cleaning to reduce the risk of electric shock.
- Disconnect the charger from the power source when not in use. This will reduce the risk of electric shock or damage to the charger if metal objects fall into the opening. It will also help prevent damage to the charger during a power surge.
- Risk of electric shock. Do not touch the uninsulated portion of the output connector or the uninsulated battery terminal.

Note: Save these instructions. Refer to them frequently and use them to instruct others who may use this tool. If you give this tool to another person, also pass on these instructions to prevent misuse of the product and possible injury.

1.5. Other important safety instructions

- Save these instructions. This manual contains important safety and operating instructions for the charger.

- Before using the battery charger, read all instructions and cautionary markings on the battery charger, battery, and product that uses the battery.
- When using electrical appliances, basic precautions such as the following should always be followed:
 - To reduce the risk of injury, close supervision is necessary when any appliance is used near children, pets or unqualified persons.
 - Use only accessories approved by the manufacturer.
 - Do not use outdoors.

1.5.1. Residual risks

▲ Important

Even if the equipment complies with the relevant product safety regulations, there may be residual risks given the characteristics of the equipment and the work for which it has been designed.

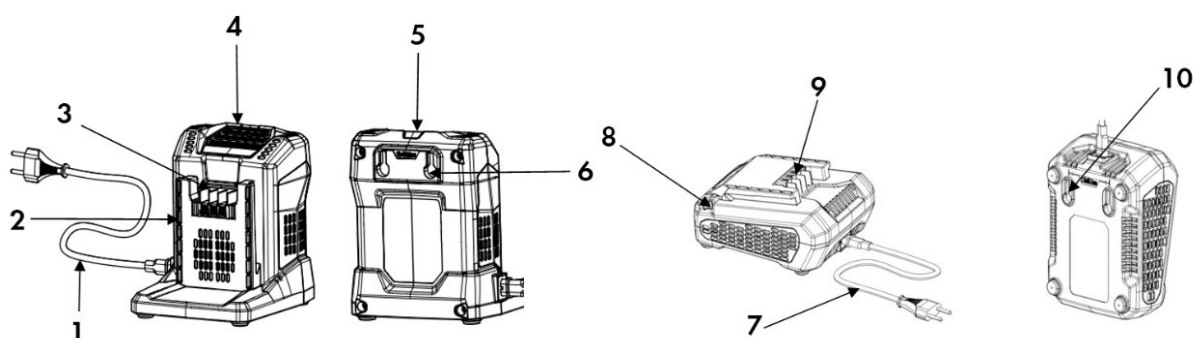
Failure to follow the instructions contained in the instruction manual may result in other residual risks due to improper use.

Residual risks can be minimized by following the safety instructions.

- Following these instructions and being careful will reduce the risk of personal injury and equipment damage.
- Failure to follow these safety instructions may result in injury to the operator or property damage.
- Lack of care, incorrect use or failure to follow safety rules can result in injury to hands and fingers when the wedge is in motion.
- There is a risk of electrocution if you use non-approved electrical connections.
- There is a risk of hearing loss when working with the machine without protection for long periods.

Note: Even if you take preventive measures, there may be residual risks that are not obvious.

2. PRODUCT DESCRIPTION



1. Mounting the power cable
2. Mounting slot
3. Electrical contacts
4. Cooling air port
5. LED indicator

6. Wall mounting hole
7. Mounting the power cable
8. LED indicator
9. Electrical contacts
10. Wall mounting hole

- LED indicators: Indicate the charging status.
- Mounting Slot: Guides the battery pack when installed into the charger.
- Wall Mount Hole: For convenient wall storage.

▲ Warning

Safe use of this product requires an understanding of the information on the tool and in this operator's manual, as well as knowledge of the project you are attempting. Before using this product, familiarize yourself with all of its operating features and safety rules.

3. TECHNICAL SPECIFICATIONS

Technical specifications	E60CH25	E60CH55
Charger input voltage	200-240V, 330W	200-240V, 330W
Charger output voltage	2.5A - 60V	5.5A - 60V
Charging time (4Ah)	1.6h	0.75h
Charging time (8Ah)	3.2h	1.5h
Optimal ambient temperature for charging	(5°C ~ 40°C)	(5°C ~ 40°C)

Note: Due to technical product updates, this document is subject to change without notice.

4. OPERATING INSTRUCTIONS

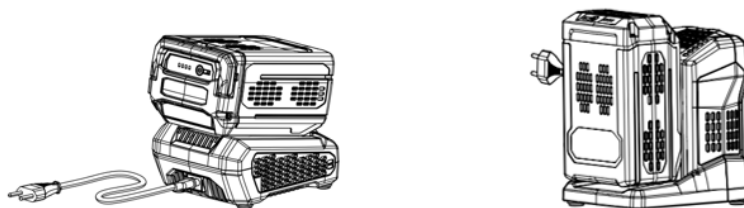
4.1. How to charge the battery

▲ Warning

Do not use the charger outdoors or expose it to damp or wet conditions. Water entering the charger will increase the risk of electric shock.

NOTICE: Lithium-ion battery packs are shipped partially charged. Before using for the first time, fully charge the battery.

1. Connect the charger to the power supply. The LED will briefly glow green, indicating that the charger is working properly.
2. Align the raised ribs on the battery pack with the mounting slots on the charger; slide the battery down onto the charger.



3. The charger will communicate with the battery pack to assess the status of the battery pack.
4. When the battery is charging, the charger indicator LED will glow green. The charger fan runs continuously to cool the battery.
5. When the battery is fully charged, the charging indicator LED will stop flashing green and glow green continuously. Wait until the cooling fan stops, remove the battery from the charger and disconnect the charger from the power source.
6. The battery will fully charge if left on the charger but will not overcharge. If the battery remains on the charger for a month or more, it will perform automatic maintenance and drop to 30% of its charge capacity. If this occurs, reinstall the battery on the charger to fully recharge it.

▲ Attention

- A significantly reduced run time after fully charging the battery pack indicates that the batteries are near the end of their useful life and should be replaced.
- The charger may become warm during charging. This is part of the normal operation of the charger. Charge in a well-ventilated area.

4.2. Charging a battery that is too cold or too hot

If the battery is outside the normal temperature range, the LED will illuminate red. When the battery cools to approximately 135°F (57°C) or warms above 37°F (3°C), the charger will automatically begin charging and the LED will sequence normally.

4.3. Defective battery pack or charger

If the charger detects a problem, the LED will start flashing red or turn off.

1. If it registers as faulty, remove and reinsert the battery into the charger. If the LED still indicates "defective" a second time, try charging a different battery.
2. If a different battery charges normally, discard the defective battery (see battery pack manual for instructions).
3. If a different battery pack also indicates "defective", disconnect the charger and wait until the flashing LED turns off, then reconnect the plug to the power supply. If the charger LED still shows a defect, the charger may be defective.

4.4. Holes for wall mounting

The charger has hanging holes for convenient storage. Install the screws into the wall at a distance of 3 inches (76 mm). Use screws strong enough to support the combined weight of the charger and battery.

5. MAINTENANCE

Warning

To avoid serious personal injury, always remove the battery pack from the tool when cleaning or performing any maintenance.

When performing maintenance, use only manufacturer-approved replacement parts. Use of any other parts may create a hazard or cause damage to the product.

All maintenance, except for the items listed in these maintenance instructions, must be performed by your authorized dealer. If in doubt, do not perform any maintenance without first consulting your dealer.

To reduce the risk of fire, personal injury, and product damage due to short circuit, never immerse your tool, battery pack, or charger in liquid or allow liquid to flow into them. Corrosive or conductive fluids such as sea water, certain industrial chemicals, and bleaches or products containing bleach, etc., may cause a short circuit.

Dry compressed air is not recommended as a method of cleaning the battery pack. Always wear safety glasses with side shields when performing maintenance.

Danger

Insufficient maintenance and care can lead to accidents and unforeseen injuries. Repairs and work required for the correct use of the machine must be carried out by qualified and authorized personnel.

Note: If you have any questions or problems persist, please contact your dealer or service center.

5.1. Cleaning

- Disconnect the battery from the tool and turn off the tool.
- Avoid using solvents when cleaning plastic parts. Most plastics are susceptible to damage from various types of commercial solvents and may be damaged by their use.
- Use a clean cloth to remove dirt, dust, oil, grease, etc.
- Never allow brake fluids, gasoline, petroleum-based products, penetrating oils, etc., to come into contact with plastic parts. Chemicals can damage, weaken, or destroy plastic, which may result in serious personal injury.

5.2. Transport and storage

- Packaging protects the machine from damage during transport.
- To transport the backpack battery, wrap the product in its packaging for added protection.
- Do not carry the battery connected to the tool to avoid accidental starting.
- For storage, keep the battery away from toxic and harmful gases and materials to avoid personal injury.
- Store the battery in places away from children, unqualified persons and in spaces free from moisture and rain.
- Keep parts of the packaging out of reach of children and dispose of them properly.

6. TROUBLESHOOTING

Problem / symptom	Possible cause	Possible solution
The charger does not work. The LED flashes red or turns off.	The battery or charger is faulty or there is a poor connection between the battery and the charger.	1. Try removing and reinserting the battery into the charger. 2. Try charging a different battery. 3. Unplug the charger and wait until the red LED turns off, then reconnect the plug to the power supply.
The charger is not working and the LED is red.	The battery is too hot or too cold.	Allow the battery to reach normal temperature. Charging will begin when the battery returns to 37°F(3°C)-135°F(57°C)

7. WARRANTY

If your product suffers from a manufacturing defect during the established warranty period, please contact or go to your point of sale directly with the necessary documentation.

Your purchase invoice should be retained as proof of the date of purchase. Your tool must be returned to your dealer in an acceptable, clean condition, in its original molded case, if applicable to the unit, accompanied by your appropriate proof of purchase.

7.1. Warranty period

The legal warranty period for the product begins on the original date of purchase by the first initial buyer and its duration will be that established by the Royal Decree-Law on the protection of consumers and users against situations of social and economic vulnerability of the year corresponding to the time of acquisition of the product.

Some countries do not allow limitations on how long an implied warranty lasts or do not allow the exclusion or limitation of consequential or incidental damages, so the above limitation and exclusion 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 or country to country.

7.2. Exclusions

This warranty does not cover product damage or performance problems caused by:

- Natural wear and tear.
- Misuse, neglect, careless operation or lack of maintenance.

- Defects caused by incorrect use, damage caused by manipulations carried out by personnel not authorized by Anova or use of non-original spare parts.
- Defects in normal wear parts such as bearings, brushes, cables, plugs or accessories such as drills, bits, saw blades, etc.
- Damage or defects resulting from abuse, accidents or alterations.
- Incorrect use and storage (explicit reference that the rules described in the operating instructions have not been complied with).
- Customer-caused wear (e.g. broken saw blades, worn carbon brushes, etc.).
- Wear and secondary damage due to lack of maintenance, repair, lubricants (e.g. overheating damage due to blocked cooling slots, bearing damage as a result of dirt, frost damage, etc.)
- Damage as an obvious result of overuse/overloading.
- Damage caused by inappropriate supplies (e.g. incorrect fuel)
- Load-induced breakage of housing components or accessories due to abnormal stress
- Load-induced deformation of housing components or accessories due to abnormal stress.
- Damage resulting from the operation of supplies that are overfilled or leak due to improper storage, inappropriate cleaning agents, or other damaging chemical components.
- Damage due to improper exposure to extreme temperatures (e.g. freeze fractures, thermal deformation of components, etc.)
- Damage from permanent exposure to ultraviolet radiation.
- Damage caused by inadequate maintenance.
- Any damage caused by failure to comply with the instruction manual
- Any product that has been attempted to be repaired by an unqualified professional.
- Any product connected to an inadequate power source (amps, voltage, frequency).
- Any damage caused by external influences (water, chemicals, physical, shocks) or foreign substances.
- Use of unsuitable accessories or parts.
- It does not include defects in normal wear parts, nor does it cover damage or defects resulting from abuse, accidents or alterations, nor transportation costs.

The warranty is also void if the product has been altered or modified, or if the trademark/serial number on the machine has been defaced or removed.

Routine maintenance, tune-ups, adjustments or normal wear and tear are not covered under this warranty.

This manual does not cover all possible situations regarding warranty exclusions, for more information please contact your nearest Anova dealer.

7.3. In case of incident

The warranty must be correctly completed with all the requested information and accompanied by the purchase invoice.

Anova reserves the right to reject any claim where the purchase cannot be verified or where it is clear that the product was not properly maintained (maintenance, ventilation slots cleaned, lubrication, carbon brushes regularly maintained, cleaning, storage, etc.).

Private use means personal household use by an end consumer. Commercial use means all other uses, including uses for business, income-generating or rental purposes. Once the product has been used for commercial use, it will henceforth be considered a commercial product for the purposes of this warranty.

These are our standard warranty terms, but occasionally there may be additional warranty coverage not determined at the time of publication. For more information, please contact your nearest official Anova dealer or visit www.millasur.com.

Warranty service is only available through official Anova dealers. You can locate your nearest dealer on our dealer map at www.anova.es.

8. ENVIRONMENT



Protect the environment. Recycle the oil used by this machine by taking it to a recycling center. Do not pour used oil into drains, soil, rivers, lakes or oceans.



Dispose of your machine in an environmentally friendly manner. Machines should not be disposed of with household waste. Their plastic and metal components can be sorted according to their nature and recycled.

The materials used to package this machine are recyclable. Please do not throw the packaging into your household waste. Dispose of this packaging at an official waste collection point.

Batteries should not be thrown into the trash. At the end of your machine's lifespan, batteries or chargers should be removed from the equipment and disposed of separately.