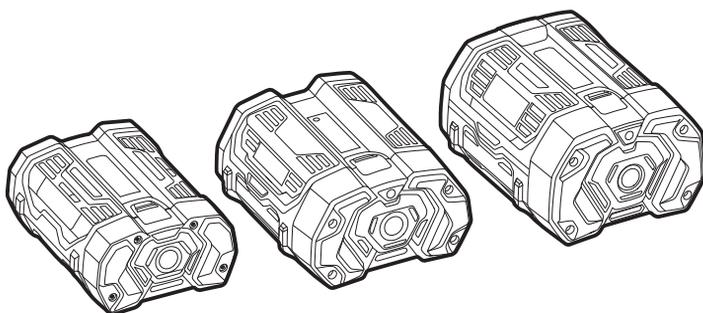


EGO™

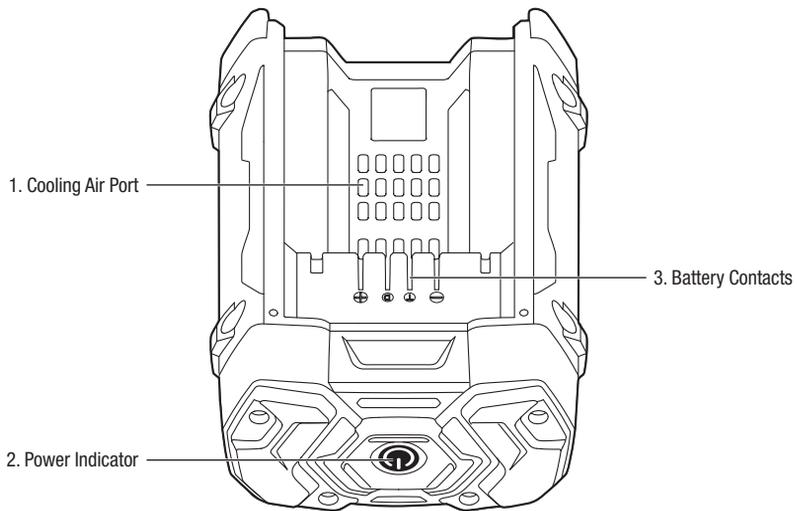
POWER⁺ BATTERY



OPERATOR'S MANUAL
56 VOLT BATTERY
2.0AH/2.5AH/4.0AH/5.0AH/6.0AH/7.5AH

MODEL NUMBER BA1120E/BA1400/BA2240E/BA2800/BA3360/BA4200

⚠ WARNING: To reduce the risk of injury, the user must read and understand the Operator's Manual before using this product. Save these instructions for future reference.



READ ALL INSTRUCTIONS!



**READ & UNDERSTAND
INSTRUCTION MANUAL**

⚠ Residual risk! People with electronic devices, such as pacemakers, should consult their physician(s) before using this product. Operation of electrical equipment in close proximity to a heart pacemaker could cause interference or failure of the pacemaker.

⚠ WARNING: To ensure safety and reliability, all repairs should be performed by a qualified service technician.

SAFETY SYMBOLS

The purpose of safety symbols is to attract your attention to possible dangers. The safety symbols and the explanations with them deserve your careful attention and understanding. The symbol warnings do not, by themselves, eliminate any danger. The instructions and warnings they give are no substitutes for proper accident prevention measures.

⚠ WARNING: Be sure to read and understand all safety instructions in this Operator's Manual, including all safety alert symbols such as "DANGER," "WARNING," and "CAUTION" before using this tool. Failure to follow all instructions listed below may result in electric shock, fire, and/or serious personal injury.

⚠ WARNING: To ensure safety and reliability, all repairs should be performed by a qualified service technician.



⚠ WARNING: The operation of any power tools can result in foreign objects being thrown into your eyes, which can result in severe eye damage. Before beginning power tool operation, always wear safety goggles or safety glasses with side shields and a full face shield when needed. We recommend a Wide Vision Safety Mask for use over eyeglasses or standard safety glasses with side shields.

⚠ WARNING: Risk of fire and burns. Do not disassemble, heat above 100 °C, or incinerate. Keep battery out of reach of children and in original package until ready to use. Dispose of used batteries promptly according to local recycling or waste regulations.

SAFETY INSTRUCTIONS

This page depicts and describes safety symbols that may appear on this product. Read, understand, and follow all instructions on the machine before attempting to assemble and operate.

	Safety Alert	Precautions that involve your safety.
	Wear Eye Protection	Always wear safety goggles or safety glasses with side shields and a full face shield when operating this product.
	Read the Operator's Manual	To reduce the risk of injury, user must read and understand operator's manual before using this product.
	Recycle Symbols	Do not dispose of battery packs/batteries into household waste, fire or water. Battery packs/batteries should be collected, recycled or disposed of in an environmental-friendly manner.
V	Volt	Voltage
A	Amperes	Current
Hz	Hertz	Frequency (cycles per second)
W	Watt	Power
min	Minutes	Time
	Alternating Current	Type of current
	Direct Current	Type or a characteristic of current

⚠ WARNING: Read and understand all instructions. Failure to follow all instructions may result in electric shock, fire and/or serious personal injury. The term "power tool" in all of warnings listed refers to EGO Power+ battery operated (cordless) Lawn & Garden machines.

WORK AREA SAFETY

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



ELECTRICAL SAFETY

- **Do not expose power tools to rain or wet conditions.**
Water entering a power tool will increase the risk of electric shock.
- **Use only with chargers listed below:**

BATTERY PACKS	CHARGER
BA1120E, BA1400, BA2240E, BA2800, BA3360, BA4200	CH5500E, CH2100E

BATTERY TOOL USE AND CARE

- **Recharge only with the chargers specified by the manufacturer.** A charger that is suitable for one type of battery pack may create a rise of fire when used with another battery pack.
- **Use power tools only with specifically designated battery packs.** Use of any other battery packs may create a risk of injury and fire.
- **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.
- **Under abusive conditions, liquid may be ejected from the battery; avoid contact. 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.
- **Do not dismantle, open or shred secondary cells or batteries.**
- **Do not expose cells or batteries to heat or fire.** Avoid storage in direct sunlight.
- **Do not short-circuit a cell or a battery.** Do not store cells or batteries haphazardly in a box or drawer where they may short-circuit each other or be short-circuited by other metal objects.
- **Do not remove a cell or battery from its original packaging until required for use.**
- **Do not subject cells or batteries to mechanical shock.**
- **In the event of a cell leaking, do not allow the liquid to come in contact with the skin or eyes.** If contact has been made, wash the affected area with copious amounts of water and seek medical advice.
- **Do not use any charger other than that specifically provided for use with the equipment.**
- **Do not use any cell or battery which is not designed for use with the equipment.**

- **Do not mix cells of different manufacture, capacity, size or type within a device.**
- **Keep cells and batteries out of the reach of children.**
- **Seek medical advice immediately if a cell or a battery has been swallowed.**
- **Always purchase the correct cell or battery for the equipment.**
- **Keep cells and batteries clean and dry.**
- **Wipe the cell or battery terminals with a clean dry cloth if they become dirty.**
- **Secondary cells and batteries need to be charged before use.** Always use the correct charger and refer to the manufacturer's instructions or equipment manual for proper charging instructions.
- **Do not leave a battery on prolonged charge when not in use.**
- **After extended periods of storage, it may be necessary to charge and discharge the cells or batteries several times to obtain maximum performance.**
- **Secondary cells and batteries give their best performance when they are operated at normal room temperature (20 °C ± 5 °C).**
- **Retain the original product literature for future reference.**
- **Use only the cell or battery in the application for which it was intended.**
- **When possible, remove the battery from the equipment when not in use.**
- **Dispose of properly.**

SERVICE

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

SPECIFIC SAFETY RULES

- **Know your power tool. Read the operator's manual carefully.** Learn the applications and limitations, as well as the specific potential hazards related to the tool. Following this rule will reduce the risk of electric shock, fire, or serious injury.
- **Battery tools do not have to be plugged into an electrical outlet; therefore, they are always in operating condition.** Be aware of possible hazards when not using your battery tool. Always remove the battery before changing accessories. Following this rule will reduce the risk of electric shock, fire or serious personal injury.

- **Do not place the battery tools or battery pack near fire or heat.** This will reduce the risk of explosion and possibly injury.
- **Do not dispose of the batteries in a fire.** The cells may explode. Check with local codes for possible special disposal instructions.
- **Do not open or mutilate the battery.** Released electrolyte is corrosive and may cause damage to the eyes or skin. It may be toxic if swallowed.
- **Do not crush, drop or damage the 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.
- **Batteries vent hydrogen gas and 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 charge the battery in a damp or wet location.** Following this rule will reduce the risk of electric shock.
- **For best results, your battery should be charged in a location where the temperature is greater than 0° C and less than 40° C.** Do not store it outside or in vehicles.
- **Under extreme usage or temperature conditions, battery leakage may occur.** If liquid comes in contact with your skin, wash immediately with soap and water, then neutralize with lemon juice or vinegar. If liquid gets in your eyes, flush them with clean water for at least 10 minutes, and then seek immediate medical attention. Following this rule will reduce the risk of serious personal injury.
- **Do not let gasoline, oils, petroleum-based products, etc. come in contact with plastic parts.** These substances contain chemicals that can damage, weaken or destroy plastic.
- **Have your battery pack serviced by a qualified repairperson using only identical replacement parts.** This will ensure that the safety of the battery pack is maintained.

Save these instructions. Refer to them frequently and use them to instruct others who may use this tool. If you lend someone this tool, lend them these instructions also to prevent misuse of the product and possible injury.

SAVE THESE INSTRUCTIONS!

SPECIFICATIONS

Battery	BA1120E: 56V 2.0Ah Lithium-ion BA1400: 56V 2.5Ah Lithium-ion BA2240E: 56V 4.0Ah Lithium-ion BA2800: 56V 5.0Ah Lithium-ion BA3360: 56V 6.0Ah Lithium-ion BA4200: 56V 7.5Ah Lithium-ion
Optimum Charging Temperature	0°C-40°C
Battery weight	BA1120E: 1.3 Kg BA1400: 1.3 Kg BA2240E: 2.2 Kg BA2800: 2.2 Kg BA3360: 2.9 Kg BA4200: 2.9 Kg

DESCRIPTION

KNOW YOUR LITHIUM-ION BATTERY PACK (Fig. A)

1. Cooling Air Port
2. Power Indicator
3. Battery Contacts

OPERATION

POWER INDICATOR ON BATTERY PACK

This lithium-ion battery pack is equipped with a power indicator, which indicates the charge capacity level of the battery pack. Press the power indicator to display the charge level. The LED indicator will shine for 10 seconds.

- The green light indicates that the battery pack is over 15% of its charge capacity.
- The red light indicates low voltage of the battery pack.
- The blinking red light indicates that the battery pack is nearly depleted and needs to be charged immediately.

BATTERY PROTECTION

The battery circuitry protects the battery pack from extreme temperature, over-discharge, and over-charge. To protect the battery from damage and prolong its life, the battery pack circuitry will turn off the battery pack if it becomes overloaded or if the temperature becomes too high during use. This may happen in extremely high torque, binding, and stalling situations. The battery pack will shut down with power indicator flashing orange for 10s when its operating temperature exceeds 70°C, and will begin normal operation when it returns to 67°C.

Notice: A significantly reduced run time after fully charging the battery pack indicates that the batteries are near the end of their usable life and must be replaced.

COLD WEATHER OPERATION

This Lithium-Ion battery pack will provide optimal performance in temperatures between 0°C and 40°C. When the battery pack is very cold, it may “pulse” for the first minute of use to warm itself. Put the battery pack on a tool and use the tool in a light application. After about a minute, the battery pack will have warmed itself and will operate normally.

WHEN TO CHARGE THE BATTERY PACK

NOTICE: Lithium-Ion battery packs are shipped partially charged. Before using it the first time, fully charge the battery pack.

NOTICE: This battery pack is equipped with an advanced self-maintenance function to extend the battery life. Depending on the battery charge, it will automatically perform a self-discharge operation after one month of storage. After this self-maintenance, the battery pack will enter sleep mode and maintain 30% of its charge capacity. If stored for a month or longer, fully recharge the battery before the next use.

It is not necessary to run down the battery pack charge before recharging. The Lithium-Ion battery can be charged at any time and will not develop a “memory” when charged after only a partial discharge. Use the power indicator to determine when the battery pack needs to be recharged.

HOW TO CHARGE THE BATTERY PACK

Follow the instructions in the Operator’s Manual for the EGO CH5500E Rapid Charger or CH2100E Charger.

TO ATTACH AND DETACH THE BATTERY PACK

Follow the instructions in the Operator’s Manual for the individual EGO product.

MAINTENANCE

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

⚠ WARNING: When servicing, use only identical EGO replacement parts. Use of any other parts may create a hazard or cause product damage.

⚠ WARNING: It is not recommended to use compressed dry air as a cleaning method for the battery pack. If cleaning with compressed air is the only method to apply, always wear safety goggles or safety glasses with side shields. If the operation is dusty, also wear a dust mask.

GENERAL MAINTENANCE

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 clean clothes to remove dirt, dust, oil, grease, etc.

⚠ WARNING: Do not at any time let brake fluids, gasoline, petroleum-based products, penetrating oils, etc. come in contact with plastic parts. Chemicals can damage, weaken or destroy plastic which may result in serious personal injury.

BATTERIES

The battery pack is equipped with Lithium-Ion rechargeable batteries. The duration of use from each charge will depend on the type of work performed.

The batteries in this tool have been designed to provide maximum trouble-free life. Like all batteries, they will eventually wear out.

Do not disassemble the battery pack or attempt to replace the batteries. Handling of the batteries, especially when wearing rings and jewelry could result in a serious burn.

To obtain the longest possible battery life, read and understand the operator's manual.

- It is good practice to unplug the charger and remove the Lithium-Ion battery pack when not in use.

For Lithium-Ion battery pack storage longer than 30 days:

Store the Lithium-Ion battery pack where the temperature is below 26°C and free of moisture.

- Store Lithium-Ion battery packs in a 30%-50% charged condition.
- Every six months of storage, fully charge the Lithium-Ion battery pack.
- Exterior may be cleaned with a cloth or soft non-metallic brush.

NOTICE: This battery pack has equipped with an advanced self-maintenance function. It can maintain 30% of its charge capacity automatically after it is stored over one month.

BATTERY PACK REMOVAL AND PREPARATION FOR RECYCLING



Do not dispose of battery charger and batteries/rechargeable batteries into household waste!

Li-ion

Electrical and electronic equipment that is no longer usable, defective or used battery packs/batteries, must be collected separately and disposed of in an environmentally correct manner.

Consult your local waste authority for information regarding available recycling and/or disposal options.



WARNING: Upon removal of the battery pack for disposal or recycling, cover the battery pack's terminals with heavy-duty adhesive tape. Do not attempt to destroy or disassemble the battery pack or remove any of its components. Lithium-Ion batteries must be recycled or disposed of properly. Also, never touch the terminals with metal objects and/or body parts as a short circuit may result. Keep away from children. Failure to comply with these warnings could result in fire and/or serious injury.

TROUBLESHOOTING

PROBLEM	CAUSE	SOLUTION
The battery pack charge is reduced after more than one month of non-use.	The battery pack has automatically performed self-maintenance to extend its life.	Fully recharge the battery pack before use.
The power indicator flashes orange.	The battery is too hot.	Cool the battery pack until the temperature drops below 67°C.
The battery endcap gets warm during storage. Power indicator flashes green every two seconds.	The battery pack is automatically performed self-maintenance to extend battery life.	No action is required; this is normal. Press the power indicator the self-maintenance process will stop.



WARRANTY

EGO WARRANTY POLICY

3 year warranty on EGO Power+ System battery packs and chargers.

Please contact EGO customer service on Australia 1300 000 EGO(1300 000 346), New Zealand 0508 000 EGO (0508 000 346) any time you have questions or warranty claims.

SERVICE WARRANTY

FOR THREE YEARS from the date of original retail purchase, the EGO Power+ System Battery Pack and Charger are warranted against defects in material or workmanship. Defective product will receive free repair.

- This warranty applies only to the original purchaser at retail and may not be transferred.
- The warranty period for any EGO product or part used for industrial, professional or commercial purpose is one year.
- This warranty is void if the product has been used for rental purpose.
- This warranty does not cover the damage resulting from modification, alteration or unauthorized repair.
- This warranty only covers defects arising under normal usage and does not cover any malfunction, failure or defect resulting from misuse, abuse (including overloading of the product beyond capacity and exposure to water or rain), accidents, neglect or lack of proper installation, and improper maintenance or storage.
- This warranty does not cover normal deterioration of the exterior finish, including but not limited to scratches, dents, paint chips, or to any corrosion or discoloring by heat, abrasive and chemical cleaners.

HOW TO OBTAIN SERVICE

For warranty service, please contact EGO customer service on Australia 1300 000 EGO(1300 000 346), New Zealand 0508 000 EGO (0508 000 346). When requesting warranty service, you must present the original dated sales receipt. An authorized service center will be selected to repair the product according to the stated warranty terms.

ADDITIONAL LIMITATIONS

Chervon Australia Pty Ltd ABN 36 165 077 501(“Chervon”) warrants to the original domestic purchaser that this product will be free from defects in materials and workmanship for 5 years from date of purchase, and any battery or charger will be free from defects in materials and workmanship for 3 years from date of purchase. To make a claim, return the faulty item together with proof of purchase directly to your closest service agent or to the place of purchase. Any handling and transportation costs (and other expenses incurred in claiming this warranty) are not covered by this warranty and will not be borne by Chervon. The replacement product or part or repaired product will be made available for your collection at an address nominated by Chervon. Where a valid warranty claim is made, Chervon will replace the defective product or repair the fault. Where the product is repaired, Chervon may use refurbished parts. This warranty does not cover normal wear and tear, misuse or abuse. This warranty may also be further limited or voided as specifically detailed in the product Manual. Chervon has no other liability under this warranty. The benefits to you given by this warranty are in addition to other rights and remedies imposed by State and Federal legislation that cannot be excluded. Our goods come with guarantees that cannot be excluded under the Australian Consumer Law. You are entitled to a replacement or refund for a major failure and 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. Chervon Australia Pty Ltd, Unit 13, 1488 Ferntree Gully Rd, Knoxfield, VIC. 3180. Phone Number: Australia 1300 000 EGO(1300 000 346), New Zealand 0508 000 EGO (0508 000 346). Email address: support@egopowerplus.com.au.

