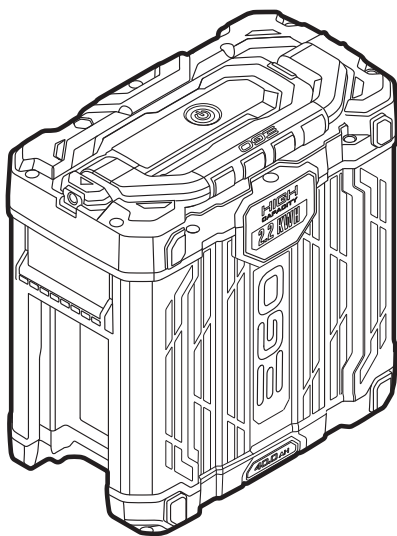


# EGO<sup>TM</sup>

## COMMERCIAL

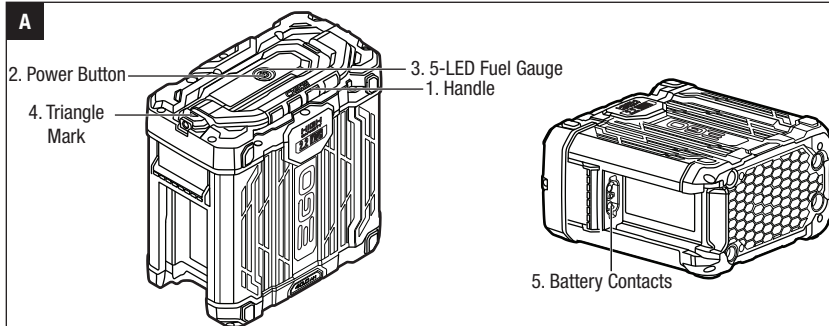
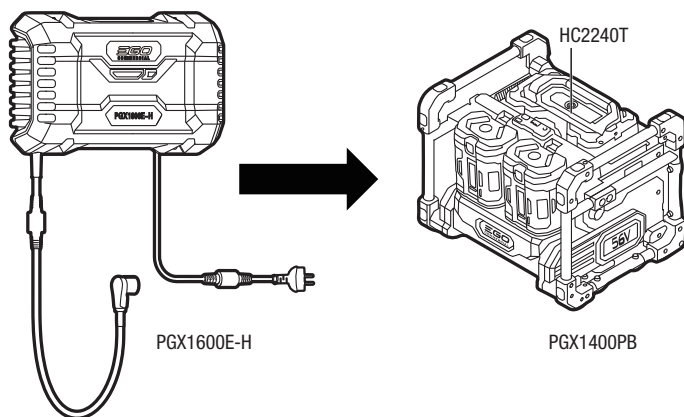


### OPERATOR'S MANUAL

## 56V 40AH HIGH CAPACITY BATTERY

**MODEL NUMBER HC2240T**

**⚠ 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.

**A****B**

## READ ALL INSTRUCTIONS!



### READ OPERATOR'S MANUAL

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

## SAFETY SYMBOL

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 machine. Failure to follow all instructions listed below may result in electric shock, fire, and/or serious personal injury.

**⚠ 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.

## SYMBOL MEANING

**SAFETY ALERT SYMBOL:** Indicates **DANGER**, **WARNING**, or **CAUTION**, may be used in conjunction with other symbols or pictographs.

## 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
	Read Operator's Manual	To reduce the risk of injury, user must read operator's manual.

	Disconnect battery	Always remove the battery pack from the product when you are assembling parts, making adjustments, cleaning, or when the product is not in use.
	Charging temperature	Ambient temperature of battery pack charging
	Fire alert	Do not expose battery pack/ battery cells to fire.
	Water alert	Do not expose battery pack/ battery cells to water.
	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.
	Direct Current	Type or a characteristic of current
V	Volt	Voltage
°C	Celsius	Temperature
Ah	Ampere-hours	Capacity
kg	Kilogram	Weight

**⚠ WARNING:** Read and understand all instructions. Failure to follow all instructions listed below may result in electric shock, fire and/or serious personal injury.

### WORK AREA SAFETY

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

### ELECTRICAL SAFETY

- **Do not expose machines to rain or wet conditions.** Water entering a machine will increase the risk of electric shock.

## BATTERY MACHINE USE AND CARE

- **Recharge only with the chargers specified by the manufacturer.** A charger that is suitable for one type of battery may create a rise of fire when used with another battery.
- **Use machines only with specifically designated batteries.** Use of any other batteries may create a risk of injury and fire.
- **When battery 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 battery.**
- **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 ( $20^{\circ}\text{C} \pm 5^{\circ}\text{C}$ ).**
- **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.
- **Never service damaged battery packs.** Service of battery packs should only be performed by the manufacturer or authorized service providers.

## SPECIFIC SAFETY RULES

- **Know your machine. Read the operator's manual carefully. Learn the applications and limitations, as well as the specific potential hazards related to the machine.** Following this rule will reduce the risk of electric shock, fire, or serious injury.
- **Battery machines 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 machine. 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 machines or battery 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.** Do not use a battery 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 5° 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 serviced by a qualified repairperson using only identical replacement parts.** This will ensure that the safety of the battery is maintained.
- Do not use a battery that is damaged or modified. Damaged or modified batteries may exhibit unpredictable behavior resulting in fire, explosion or risk of injury.
- Do not expose a battery to fire or excessive temperature. Exposure to fire or temperature above 130°C may cause explosion.

- Follow all charging instructions and do not charge the battery outside of the temperature range specified in the instructions. Charging improperly or at temperatures outside of the specified range may damage the battery and increase the risk of fire.
- Do not modify or attempt to repair the battery except as indicated in the instructions for use and care.

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

## SPECIFICATIONS

Voltage	56 V ---
Rated Capacity	38 Ah
Maximum Capacity	40 Ah
Rated Battery Energy	2.2 kWh
Battery Designation	16IFpR41/136-2
Nominal Voltage	51.2 V
Weight (Without battery)	17.7 kg
Recommended Charging Temperature	5°C - 40°C
Recommended Storage Temperature	10°C - 26°C

## PACKING LIST (FIG. A)









## DESCRIPTION

### KNOW YOUR BATTERY (Fig. A)

## OPERATION





### 5-LED FUEL GAUGE

This lithium-ion battery features a 5-LED fuel gauge. Briefly press the power button to and the LED fuel gauge will display the battery charge level or working condition for 10 seconds.

5-LED Fuel Gauge		Battery charge level / working condition
	All 5 LEDs glow solid green	Charge level 80% to 100%
	4 LEDs glow solid green	Charge level 60% to 80%
	3 LEDs glow solid green	Charge level 40% to 60%
	2 LEDs glow solid green	Charge level 20% to 40%
	1 LED glow solid green	Charge level 10% to 20%
	1 LED glow flashing red	Charge level less than 10%
	All 5 LEDs are flashing red.	Low voltage. The battery is nearly depleted and needs to be charged immediately.
	All 5 LEDs glow solid red	Battery is too hot or too cold. Cool or warm the battery until its temperature reaches the -17°C – 67 °C temperature range.

## Self-diagnostic

Press and hold the power button for 6 seconds, the battery will enter self-diagnostic and the LED light(s) will stay lit for approximately 10 seconds.

5-LED Fuel Gauge		Battery charge level / working condition
	All 5 LEDs glow solid green.	Battery functions normally.
 	All 5 LEDs are flashing green and red alternately.	Defective battery, the battery cannot be charged or discharged. Please contact EGO customer service centre for help.
	All 5 LEDs glow solid orange.	Battery capacity is below 40% of its original. Please contact EGO customer service centre for help.

## WHEN TO CHARGE THE BATTERY

This lithium-ion battery is shipped partially charged. Before using it the first time, fully charge the battery.

It is not necessary to run down the battery 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 5-LED fuel gauge to determine when the battery needs to be recharged.

**NOTICE:** A significantly reduced run time after fully charging the battery indicates that the battery is near the end of its usable life and must be replaced. All 5 LEDs will shine solid orange during self-diagnostic. Refer to the section “Self-diagnostic” in this manual.

## HOW TO CHARGE THE BATTERY

The battery is charged using the combination of the hub PGX1600H and power bank PGX1400PB (Fig. B).

Follow more instructions in the Operator's Manual for the individual EGO Power Bank and Charger.

## HOW TO ATTACH AND DETACH THE BATTERY

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

## MAINTENANCE

**⚠ WARNING:** To avoid serious personal injury, always disconnect all devices and remove the battery from the machine when 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. To ensure safety and reliability, all repairs should be performed by a qualified service technician.

**⚠ WARNING:** It is not recommended to use compressed dry air as a cleaning method for the battery. If cleaning with compressed air is the only method to apply, always wear safety goggles or safety glasses with side shields when using compressed air to clean. 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 a clean cloth to remove dirt, dust, oil, grease, etc.

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

**⚠ WARNING:** To reduce the risk of fire, personal injury, and product damage due to a short circuit, never immerse your machine, battery or charger in fluid or allow a fluid to flow inside them. Corrosive or conductive fluids, such as seawater, certain industrial chemicals, and bleach or bleach containing products, etc., can cause a short circuit.

## MAINTAINING THE BATTERY

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

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

Do not disassemble the battery 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 when not in use.

### For Lithium-ion battery storage longer than 30 days:

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

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

## BATTERY PACK REMOVAL AND PREPARATION FOR RECYCLING



**Li-ion**

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

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.



## WARRANTY POLICY

For warranty service or to make a claim, please visit our Warranty Portal at [egopowerplus.com.au/warranty-policy](http://egopowerplus.com.au/warranty-policy), alternatively you can contact EGO customer service via the following: **Australia 1300 000 346, New Zealand 0508 000 346.**

Chervon Australia Pty Ltd ABN 36 165 077 501 and Chervon New Zealand Subsidiary Ltd NZBN 9429049277616 ("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.

Warranty for commercial use is 1 year on all product, battery and chargers. The Commercial Range Product Warranty for commercial users is 2 years for commercial tools, commercial batteries and commercial chargers. Please refer to product warranty table below for further clarification.

The warranty period for routine accessories, consumables or maintenance parts, such as, but not limited to, ride-on mower seat, wheels, tyres, anti-scalp wheels, brake discs, blades, trimmer heads, chain bars, saw chains, augers, blower nozzles, and all other EGO accessories is 90 days for residential purpose, 30 days for industrial, professional or commercial purpose. These parts are covered for 90/30 days from manufacture defects in normal working conditions.

To make a claim, call 1300 000 346 for AU or 0508 000 346 for NZ or lodge a claim via our portal link above. 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 (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 the damage resulting from modification, alteration or unauthorised repair. 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 discolouring by heat, abrasive and chemical cleaners. This warranty is void if the product has been used for rental purpose. 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 and the New Zealand Consumer Guarantee Act 1993. 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. The warranty applies to the original purchaser and applies only to purchases made from authorised EGO Dealers, which can be confirmed on the website store locator. For avoidance of doubt, 3rd party online stores such as eBay, Gumtree, Amazon, etc. are excluded.

**Chervon Australia Pty Ltd, Unit 14, 5 Kelletts Rd, Rowville, VIC. 3178.**

**Ph Australia; 1300 000 346. Email: [support@egopowerplus.com.au](mailto:support@egopowerplus.com.au)**

**Chervon New Zealand Subsidiary Ltd, 4th Floor, Smith & Caughey Building, 253 Queen St, Auckland, 1141.**

**Ph New Zealand; 0508 000 346. Email: [support@egopowerplus.co.nz](mailto:support@egopowerplus.co.nz)**



PRODUCT OR MODEL #	LIMITED WARRANTY FOR CONSUMER USE (PERSONAL, HOUSEHOLD USE)	LIMITED WARRANTY FOR PROFESSIONAL USE (ANY COMMERCIAL, AGRICULTURAL, INSTITUTIONAL, OR INCOME-PRODUCING USE)
EGO Power+ Outdoor Power Equipment and Portable Power Products	5 years	1 year
EGO Power+ Battery Packs and Chargers	3 years	1 year
<b>Specific warranties apply to the products below:</b>		
Commercial Tools*	5 years	2 years
Commercial Batteries & Chargers**	3 years	2 years
Mini Bike (MB1000E)	1 Year	N/A
Accessories / Consumables	90 Days	30 Days

\*Commercial Tools include: BCX3800, BCX4500, BHX1001, CSX3000, CSX5000, EDX2000, HTX5300-P, HTX5300-PA, HTX7500, LBPX8000, LBX1000, LBX6000, LMX5300SP, PPX1000, PTX5100, PSX2500, PSX2510, STX3800, STX4500.

\*\*Commercial Batteries & Chargers include: BAX1501, CHU6000E, CHX5500E, HC2240T, PGX1400PB, PGX1600E-H, PGX3000D.





