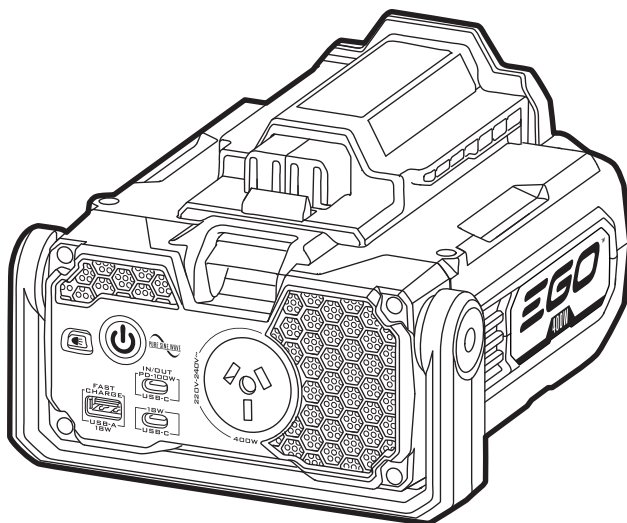


# EGO™

## POWER<sup>+</sup> NEXUS ESCAPE

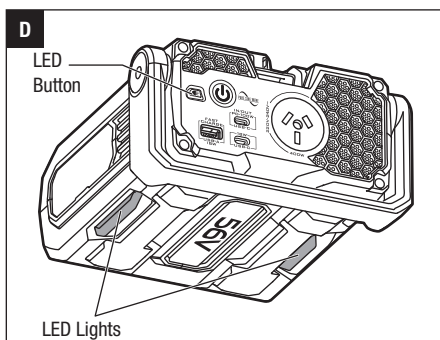
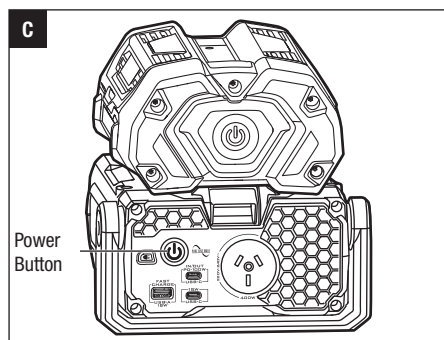
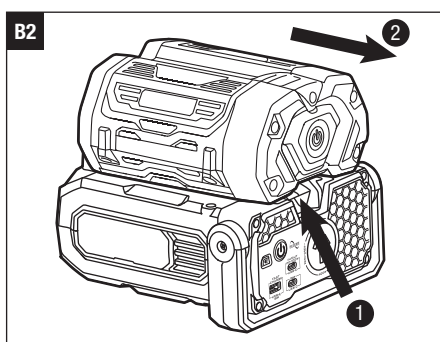
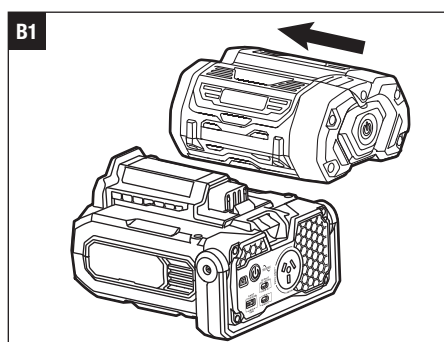
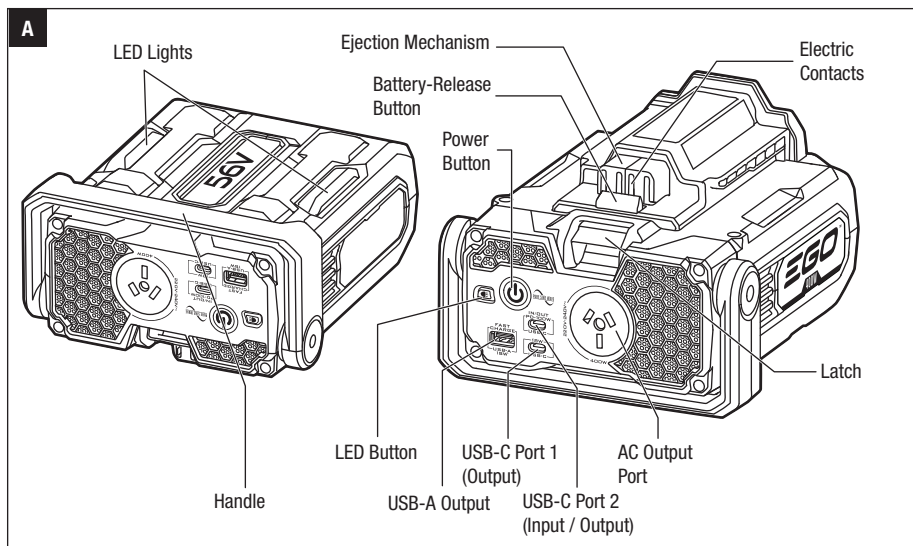


### OPERATOR'S MANUAL

# 56-VOLT POWER INVERTER

MODEL NUMBER PAD5000E

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

## 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.

**⚠ 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.

## 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
3.15A 	fuse-links	Time-lag miniature fuse-link
	Types of inverter	Solated inverter
	Indoor use	Use this device indoors only
	Class II Construction	Double-insulated construction
	Regulatory Compliance Mark	This product complies with applicable Australian standards.
~	Alternating Current	Type of current
≡	Direct Current	Type or a characteristic of current
V	Volt	Voltage
A	Amperes	Current
Hz	Hertz	Frequency (cycles per second)
VA	Voltage-Amperes	Power
kg	Kilogram	Weight
min	Minutes	Time
°C	Celsius	Temperature

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















## IMPORTANT SAFETY INSTRUCTIONS

- Read all the instructions before using the product.
- To reduce the risk of injury, close supervision is necessary when the product is used near children.
- Do not put fingers or hands into the product.
- Use of an attachment not recommended or sold by the manufacturer may result in a risk of fire, electric shock, or injury to persons.
- Do not use a battery pack or appliance that is damaged or modified. Damaged or modified batteries may exhibit unpredictable behavior resulting in fire, explosion or risk of injury.
- When charging the battery, work in a well ventilated area and do not restrict ventilation in any way.
- 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 expose the battery pack to fire or excessive temperature. Exposure to fire or temperature above 100°C may cause explosion.
- Do not expose the power inverter to rain or wet conditions. Water entering the power inverter will increase the risk of electric shock.
- The power inverter is not intended for any use other than charging small (up to 4.2 Amp for two USB ports combined) USB electronics or small (up to 150VA) AC devices. Any other use may result in damage.
- Switch off the power inverter when not in use.
- Use the power inverter only with specifically designated battery packs. Use of any other battery packs may create a risk of injury and fire.
- Do not disassemble the power inverter, take it to a qualified service person when service or repair is required. Incorrect reassembly may result in a risk of fire or electric shock.
- Have your power inverter serviced by a qualified repairperson using only identical replacement parts.
- This will ensure that the safety of the power inverter is maintained.

- Save these instructions. Refer to them frequently and use them to instruct others who may use this tool. If you lend this tool to someone else, also lend these instructions to them to prevent misuse of the product and possible injury.
- Only for class II appliance.
- Use only with batteries listed.

BATTERY PACK	CHARGER
BA1400, BA2800, BA4200, BA1400T, BA2800T, BA4200T, BA5600T, BA6720T	CH2100E, CH5500E, CH7000E

## SPECIFICATIONS

Voltage	56 V 
Output Wave Form	Pure Sine Wave
USB-A Output	5V  3A, 9V  2A, 12V  1.5A, up to 18VA
USB-C Port 1 (Output)	5V  3A, 9V  2A, 12V  1.5A, 15V  1.2A, 20V  0.9A, up to 18VA
USB-C Port 2 (Input / Output)	5V  , 9V  , 12V  , 15V  , 20V  , 5A Max, up to 100VA
AC Output (Receptacle)	220-240V ~ 50Hz, 400VA Continuous, 800VA Peak within 1 second
Weight (Without battery pack)	1.5 kg
Recommended Ambient Temperature Range for Operation	5°C - 40°C
Recommended Ambient Temperature Range for Storage	-20°C - 70°C
Recommended Ambient Temperature Range for Charging	5°C - 40°C

## PACKING LIST (FIG. A)

## DESCRIPTION

### KNOW YOUR INVERTER (Fig. A)

## OPERATION

**⚠ WARNING:** To reduce the risk of electric shock connect only one electrical equipment to the socket outlet.

### APPLICATIONS

- Supplying power for small AC devices (up to 400VA). Pure Sine Wave Inverter makes AC power suitable for even most sensitive electronics.
- Supplying power to compatible USB electronics up to 18VA via USB-A or USB-C port 1, or 100VA via USB-C port 2, such as cell phones, tablets, laptops.
- Charging the EGO battery using the inverter USB-C input/output port 2, such as compatible USB PD chargers.
- Providing light in low light conditions or emergency backup.

### ATTACHING/DETACHING THE BATTERY PACK

Use only with EGO's battery packs and chargers listed in Fig. A2.

#### Fully charge before first use.

#### To attach

Align the battery ribs with the mounting slots and press the battery pack down until you hear a "click" (Fig. B1).

#### To detach

Depress the battery-release button and pull the battery pack out (Fig. B2).

### STARTING/STOPPING THE POWER INVERTER (Fig. C)

#### To start

Press and hold the power button for more than one second. The button will illuminate green to indicate that the power inverter is active.

**NOTE:** The inverter will start automatically when a USB-PD compatible charger is connected.

#### To stop

Press and hold the power button for more than one second again. The green light will be off to indicate that the power inverter is deactivated.

**NOTE:** When connecting a DRP (Dual Role Port) device, the inverter may start automatically again after the inverter is turned off.

### LED LIGHTS (Fig. D)










To use the LED lights, press the LED button to scroll through the following light modes:

- Low brightness mode
- High brightness mode
- LED lights are turned off

In any mode, press and hold the LED button for more than 1 second and the lights will switch into flashing, "EMERGENCY" mode. Press the LED button again, the lights will shut off.

**NOTE:** The power inverter must be turned ON for the LED lights to function.

## WORKING CONDITION INDICATOR

Power Button LED Indicator		Working Condition	Action
Solid green		Standby	n/a
Solid green		Powering a device connected to AC output port, and the AC output port power is less than 10VA.	n/a
Green light gradually fading in and out		Powering connected devices	n/a
Orange light gradually fading in and out		Charging the battery pack	n/a
Green and orange lights alternately fading in and out		Powering connected devices AND charging the battery pack.	n/a
Flashing green, 1 flash every second		Low battery voltage.	See " <b>LOW BATTERY PACK CHARGE PROTECTION</b> " below.
Solid red for 1 minute, then shuts off.		The power inverter or battery pack is overheated.	Allow the unit to cool down, then restart the inverter. See " <b>OVER TEMPERATURE PROTECTION</b> " below.
Flashing red for 1 minute, 1 flash every 0.5 seconds, then shuts off.		The power inverter may be overloaded or short circuited.	Disconnect device from the AC output port, see " <b>OVERLOAD OR SHORT CIRCUIT PROTECTION</b> " below.
Flashing red for 1 minute, 1 flash every second		Other electronics error.	Disconnect your device and reconnect it again, if the same fault reoccurs, please contact EGO customer service center.

**NOTE:** Under any work condition (charging or discharging), the LED Indicator on battery pack will behave as described here:

- For EGO battery packs BA1400, BA2800, and BA4200, the LED flashes GREEN, RED and ORANGE alternately.
- For EGO battery packs BA1400T, BA2800T, BA4200T, BA5600T, and BA6720T, last LED flashes GREEN and the former LEDs shine solid GREEN, OR LEDs shine solid GREEN according to battery capacity. The battery will refresh LEDs every 1-2 minutes to update the real-time fuel gauge.

## OVER TEMPERATURE PROTECTION

If the battery or inverter temperature exceeds 70°C during operation, the temperature-protection circuit will shut off the unit in 1 minute to protect from overheating damage. The power button indicator will glow solid red for 1 minute. Allow the unit to cool until its temperature drops below 67°C before restarting.

## LOW BATTERY PACK CHARGE PROTECTION

The inverter automatically shuts down 1 minute after the battery pack charge reached a low level.

Charge the battery pack.

## OVERLOAD OR SHORT CIRCUIT PROTECTION

When the connected AC device draws more than the rated power of the port, the inverter LED indicator will flash red for 1 minute at 1 flash every 0.5 seconds. Then the inverter will automatically shut down.

Disconnect the AC device.

## USING WITH EXTERNAL DEVICES

### To power devices

When a charged battery pack is installed, the power inverter converts DC electricity to 220-240V AC household power and/or USB-A (5/9/12V, up to 18 VA) or USB-C output port 1 (5/9/12/15/20V, up to 18 VA) or USB-C input/output port 2 (5/9/12/15/20V, up to 100 VA) supply power, allowing the user to charge and power a variety of devices.

**NOTE:** When switching on the power inverter, if the USB output current is less than 100mA and the AC output power is less than 10VA, the system will shut off automatically in 2 hours.

### To charge battery pack

The power inverter can charge the EGO battery when a USB-PD compatible charger is connected to the USB-C input/output port 2 (5/9/12/15/20V, up to 100 VA).

#### NOTE:

- When incompatible charger is connected and the other ports are not connected to power devices, EGO battery will be charged by 5V1A or not be charged, and after 30 min, the inverter will turn off automatically.
- When incompatible charger is connected and the other ports are connected to power devices, EGO battery will not be charged and after 30 min, the inverter will stop the charging with power button LED indicator only shows the indication of powering devices.

## To connect external devices:

1. Insert a battery pack into the power inverter.
2. Press and hold the power button for more than a second to turn the inverter ON. The LED in the power button will illuminate green when the inverter is ready to use.
3. Connect devices into the power inverter's USB ports and/or 220-240V (230V of center voltage) AC output port. The inverter will begin powering the devices automatically.
4. Connect compatible USB PD charger into the inverter's USB-C input/output port 2 to charge the EGO battery installed on the inverter.
5. When the power inverter is not in use, disconnect the devices from the inverter, then press and hold the power button for more than a second to turn it OFF.
6. Remove the battery pack from the power inverter.

#### NOTE:

- Runtime of the connected device is dependent upon the device and the EGO battery capacity.
- Charging time of the EGO battery pack is dependent upon the USB PD charger.
- The power inverter may get warm. This is part of the normal operation of the power inverter.
- Always use the power inverter in a well-ventilated area.
- Do not insert a nail, wire, etc. into the USB ports. Otherwise a short circuit may damage the USB ports.
- When a power bank is connected, sometimes the GREEN LED of the power button fades in and out, that means "powering the power bank". Sometimes the ORANGE LED fades in and out, that means "charging the EGO battery pack".

## MAINTENANCE

**⚠ WARNING:** To avoid serious personal injury, always disconnect all devices and remove the battery pack from the power inverter 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.

## 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.

## STORING THE UNIT

- Remove the battery pack from the power inverter.
- Clean the power inverter thoroughly before storing.
- Store the unit in a dry, well-ventilated area, locked-up or up high, out of the reach of the children. Do not store the unit on or adjacent to fertilizers, gasoline, or other chemicals.



## TROUBLESHOOTING

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PROBLEM	CAUSE	SOLUTION
The power inverter does not work.	<ul style="list-style-type: none"> <li>■ Battery pack capacity is depleted.</li> <li>■ The battery pack is too hot.</li> </ul>	<ul style="list-style-type: none"> <li>■ Charge the battery pack.</li> <li>■ Cool the battery pack until its temperature drops below the specified value.</li> </ul>
The inverter cannot discharge when using USB-C ports 1 or 2.	<ul style="list-style-type: none"> <li>■ No electronics communication between the inverter and the external devices connected to USB-C ports 1 or 2.</li> </ul>	<ul style="list-style-type: none"> <li>■ Remove the external devices and re-insert them OR.</li> <li>■ Turn OFF the inverter and restart it.</li> </ul>

## EN 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 product, backpack battery (BAX1501) and commercial charger (CHX5500E). Please refer to product warranty table below for further clarification. 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 WARRANTY TABLE

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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: LBX6000, BCX3800, STX3800, HTX7500, CSX3000, PPX1000, PSX2500, PTX5100, BHX1001, STX4500, BCX4500, EDX2000, HTX5300-P, HTX5300-PA, LBPX8000	5 years	2 years
Commercial Backpack Battery: BAX1501	3 years	2 years
Commercial Charger: CHX5500E	3 years	2 years

