

OREGON®



**Oregon® Professional Series™
120V – BX975 / BX650
Battery / Batterie / Batería**

**Original Instruction Manual
Manuel d'instruction original
Manual de instrucciones original**



Instruction Manual	1–12
Manuel d'instructions	
Manual de instrucciones	

Table of Contents

At a Glance 4

Important Safety Information 5

 Safety Symbols. 5

 Danger, Warning, and Caution Symbols. 5

 General Safety Warnings. 6

 Charging. 6

 Use 6

 Storage 7

 Maintenance 7

 Shipping 7

 Environmental 7

Operation. 8

 Charging the Battery 8

 Using the Battery 8

 Useful Tips 8

 Battery Charge State Indicator 9

 Battery Duty-Life Indicator. 9

Troubleshooting.10

Specifications11

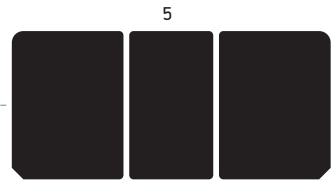
Professional Warranty and Service12

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At a Glance



- 1 Battery Indicator
- 2 Battery Indicator Button
- 3 Lifting Handle
- 4 Power Socket and Battery Terminals
- 5 Nameplate, Caution, and Serial Number Labels
- 6 Foot






Important Safety Information

WARNING: To reduce the risk of injury, read and understand this instruction manual before using this product.






Save this manual for future reference.

Danger, Warning, and Caution Symbols

SYMBOL	SIGNAL	MEANING
	DANGER	Indicates that if the danger is not avoided, it will cause serious property damage, injury or death.
	WARNING	Indicates that if the warning is not heeded, it can cause property damage, serious injury or death.
	CAUTION	Indicates that if precautions are not taken, it may cause minor or moderate injury, or property damage.

Safety Symbols

These symbols appear on the BX975 and BX650.

SYMBOL	MEANING	EXPLANATION
	Safety alert	A danger, warning, or caution.
	Follow instructions	Read and follow instructions in this manual carefully before assembling, operating, or servicing the product.
	Do not dispose	Do not throw in trash. Take to an authorized recycler. Call Oregon at 1-800-223-5168, ext. 1 or visit www.OregonProducts.com for recycling information.
	Hazardous voltage inside	Opening the battery can result in electric shock and burns. Do not open the battery. No user serviceable parts inside. All servicing to be done by qualified personnel.
	Do not incinerate	Battery likely to explode in fire.

General Safety Warnings

READ ALL INSTRUCTIONS AND WARNINGS

SAVE THESE INSTRUCTIONS. This manual contains important safety and operating instructions for Oregon 120V Professional Series rechargeable lithium ion battery pack, models BX975 and BX650.

⚠ WARNING: To reduce risk of battery explosion, before using this battery, you must read and understand all the instructions and safety markings in this instruction manual, as well as cautionary markings on battery packs, battery charger and the product using the battery packs. Failure to follow the warnings and instructions may result in electric shock, fire, and/or serious injury.

- **This battery pack is not intended for use by persons, including children, with reduced physical, sensory, or mental capabilities, or lack of experience and knowledge, unless they have been given supervision or instruction concerning use of the appliance by a person responsible for their safety.**
- **Children should be supervised to ensure that they do not play with the appliance.**
- **Under abusive conditions, liquid may become ejected from the battery; avoid contact. If contact accidentally occurs, flush affected body part with water. If liquid contacts eyes, additionally seek medical help. Liquid ejected from the battery may cause irritation or burns.**
- **Battery pack that has ejected liquid should be disposed of properly.**
- **Do not use a battery pack 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 pack to fire or excessive temperature. Exposure to fire or temperature above 130°C may cause explosion.**

Charging

⚠ CAUTION: To reduce risk of injury from chemical hazards, electric shock, and fire, charge this battery pack only with Oregon 120V Professional Series charger.

Failure to follow proper charging procedures may result in excessive voltage or current flow, loss of control during charging, hazardous chemical leakage, overheating, bursting, or fire.

- Follow all charging instructions and do not charge the battery outside of the temperature range specified in these instructions. Charging improperly or at temperatures outside of the specified range may damage the battery and increase the risk of fire.
- Do not recharge the battery in a closed-in, non-ventilated area.
- Make sure the charging plug is correctly mated to the battery receptacle.

Use

⚠ CAUTION: When using the battery in the BL120VX or other tool on which the battery is mounted, verify the latch firmly holds the battery in place before using the tool.

⚠ CAUTION: When using the battery in an Oregon 120V Professional Series backpack, verify the zipper is fully closed to ensure the battery is secured in the backpack.

⚠ CAUTION: Do not lift the battery via the cable attached to the battery.

⚠ CAUTION: If the battery pack is subjected to complete immersion in liquid, discontinue use and dispose of properly.

- The Oregon models BX975 and BX650 rechargeable lithium ion batteries are exclusively used as a power supply for the relevant Oregon 120V Professional Series tools, implements, and appliances. To avoid injury, the batteries must not be used as a power source for other devices.

- This battery is intended to be used only in an Oregon 120V Professional Series backpack or on an Oregon 120V Professional Series tool, implement, or appliance that latches the battery securely in place.

- Grasp the plug to remove the cable from the battery. Do not pull on the cord.
- Inspect the cable being used with the battery before inserting. Do not use a damaged cable with the battery.

Storage

- Remove the battery from the tool before storing or transporting.
- Store in a cool, dry place. Do not expose the battery pack to excessive heat, such as the interior of a vehicle in hot weather. Exposure to excessive heat can cause a loss in performance and/or service life.
- When the 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.
- To prolong battery life, never store battery pack in a completely discharged condition.

Maintenance

⚠ WARNING: Do not steam clean the battery. Temperatures may be high enough to cause explosion or fire.

⚠ CAUTION: Do not use solvents or spray cleaners on the battery contacts. Recommended cleaning of the battery terminals is with an air gun.

⚠ CAUTION: Do not use a pressure washer to clean the battery. Warm soapy water and a cloth or sponge is best.

⚠ CAUTION: Do not attempt to loosen or tighten the screws that hold the battery together.

Improper battery care can cause the battery to leak hazardous chemicals, overheat, emit smoke, burst, flare, explode, and/or ignite. Follow these safety rules:

- **Keep battery and battery terminals clean.**
- **Remove or disconnect the battery from the tool before performing any maintenance or cleaning of the battery or tool.**
- **Do not open and mutilate the battery. Released electrolyte is corrosive and may cause damage to the eyes and skin. It may be toxic if swallowed.**
- **Do not attempt to modify or repair this product except as indicated in the instructions for use and care. This could result in serious injury.**

Shipping

- **Observe respective local and national regulations when shipping lithium ion batteries.**
- **Special precautions must be taken when transporting a damaged or malfunctioning battery.**

Environmental

- **Do not dispose of the battery in a fire. The cells may explode. Take to an authorized lithium ion battery recycler. Call Oregon at 1-800-223-5168, ext. 1 or visit www.OregonProducts.com for recycling information.**

Operation

Charging the Battery

- Set up an Oregon 120V Professional Series charger in a dry, indoor location that allows airflow and is free of dirt and debris.
- Connect the AC power cord of the charger to the AC inlet on the charger.
- Plug the AC power cord of the charger into a grounded wall outlet. Note: The charger's LED indicator will show a power-on blink sequence and then turn off.
- Connect the DC plug to the battery.
- Allow battery to charge.
Approximate charging times
BX975: 0% to 100% capacity ~300 min.
BX650: 0% to 100% capacity ~180 min.
- During charging, the LED on the battery that indicates the next level of charge will flash. LEDs below that level will stay lighted until the battery is fully charged. When the battery is fully charged, all LEDs will go off and the LED on the charger will change from flashing green to solid green.
- **IMPORTANT:** If, during charging, the ambient temperature is not within the charging temperature range, the battery may stop charging and will not start again until the charger is reset. To reset the charger, disconnect the charger from the battery, allow the indicator on the charger to turn off, and reconnect the charger to the battery.
- Disconnect battery from charger upon reaching the desired charge.

Using the Battery

- Due to shipping regulations, the battery is shipped with a partial charge. It is recommended to fully charge the battery before first use.
- Check the battery charge state by pressing and releasing the battery indicator button. Verify it has sufficient charge.
- Place the battery in the 120V Professional Series backpack, tool, implement, or appliance.
- Insert the black plug from the tool electrical cord into the battery socket. Verify it is fully seated.
- Fully close the zippers on the backpack or ensure the battery is latched in place in the tool.
- During use, the battery charge state and any faults will be indicated on the tool dashboard. Please refer to the tool instruction manual for further information.

Useful Tips

TO OPTIMIZE RUNTIME:

- Store the battery within the recommended temperature range.
- Do not expose the battery to direct sunlight for an extended period of time.
- Recharge the battery at the end of every workday even if it was not fully discharged.
- Before long-term storage, the battery charge state should show the 1 green LED or 2 green LED indication. If not, charge or discharge the battery to that state before storing.

TO IMPROVE BATTERY RELIABILITY:







- Do not use the handle to hang the battery for storage.
- Secure the battery from excessive shifting during transportation.
- On an open trailer, orient the battery socket to the rear of the trailer to avoid damage to the socket during travel.

During normal use, the internal cells of the battery generate heat in addition to warm or hot working conditions. This could cause the battery to be above the charging temperature when plugged in for charging. To start charging sooner, place the battery and charger in a cool location with air flow around the battery.

Batteries stored in cold locations may need to be warmed to begin charging. For a battery that is below charging temperature, warm in a heated space but do not place directly in front of a heat source.





Battery Charge State Indicator

To determine the battery's charge state, press and release the battery indicator button. Charge state is shown in the table below.

INDICATORS						
LEDs	5 green LEDs 	4 green LEDs 	3 green LEDs 	2 green LEDs 	1 green LED 	1 red LED 
MEANING	Full charge 100% to 81%	80% to 61%	60% to 41%	40% to 21%	20% to 10%	Low power <10%



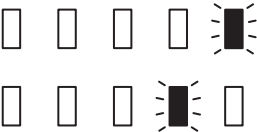





Battery Duty-Life Indicator

All rechargeable lithium ion batteries lose capacity with each full charge cycle. Over time, you may notice that your battery does not provide the same amount of run time as it provided when first purchased. To determine the current capacity of the battery, press and hold the battery indicator button for 3 seconds.

INDICATORS				
LEDs	4 green LEDs 1 red LED (blinking) 	3 green LEDs 1 red LED (blinking) 	2 green LEDs 1 red LED (blinking) 	1 green LED 1 red LED (blinking) 
MEANING	100% to 81%	80% to 61%	60% to 41%	40% to 21%

Troubleshooting

The Oregon® 120V Professional Series batteries have the ability to self-diagnose issues. Below is a table of fault codes the battery can display through the battery indicator.

INDICATORS		POSSIBLE CAUSE	RECOMMENDED ACTION
LEDs	SOUND		
<p>1 short, 1 long red blink (repeating)</p> 	<p>none</p> 	<p>Battery internal temperature is too hot or too cold.</p>	<p>Remove the battery and allow it to return to a proper operating temperature before using it with a tool again.</p> <p>Before charging, place the battery in an environment that meets the recommended charge temperatures.</p>
<p>Alternating red and green LEDs (repeating)</p> 	<p>none</p> 	<p>Too much current is being drawn from battery.</p> <p>Other fault.</p>	<ul style="list-style-type: none"> • Disconnect battery from tool and wait 15 seconds before reconnecting. • Try a different battery. • Replace tool or power cord. • Contact an Oregon dealer or representative for further instructions.
<p>Rapid flashing of all LEDs</p> 	<p>none</p> 	<p>Battery failure requiring service.</p>	<p>Contact Oregon for further instructions.</p>
<p>Constant red LED blink (repeating)</p> 	<p>none</p> 	<p>Battery has very low voltage.</p>	<p>Plug the battery into a charger at the earliest convenience.</p>

To ensure the safety of this product is maintained, servicing should only be performed by an authorized Oregon repair shop using only identical replacement parts.

Specifications

BX975 – REPLACEMENT COMPONENTS	PART NUMBERS
Foot Replacement Kit, Battery, BX, UV	0001BX975UV
Fuel Gauge Label Kit, Battery, BX975, UV	0002BX975UV
BX975 BATTERY	
Nominal voltage	108 V DC
Capacity (Wh)	972 Wh
Capacity (Ah)	9.0 Ah
Maximum continuous current	30 A
Maximum continuous power	3240 W
TEMPERATURE RANGES	
Operating temperature range	-4°F to 113°F (-20°C to 45°C)
Charging temperature range	40°F to 86°F (5°C to 30°C)
Storage temperature range	-4°F to 113°F (-20°C to 45°C)

BX650 – REPLACEMENT COMPONENTS	PART NUMBERS
Foot Replacement Kit, Battery, BX, UV	0001BX975UV
Fuel Gauge Label Kit, Battery, BX650, UV	0001BX650UV
BX650 BATTERY	
Nominal voltage	108 V DC
Capacity (Wh)	648 Wh
Capacity (Ah)	6.0 Ah
Maximum continuous current	30 A
Maximum continuous power	3240 W
TEMPERATURE RANGES	
Operating temperature range	-4°F to 113°F (-20°C to 45°C)
Charging temperature range	40°F to 86°F (5°C to 30°C)
Storage temperature range	-4°F to 113°F (-20°C to 45°C)

Commercial Warranty and Service

Limited Warranty Coverage

Oregon offers the original purchaser as the end-user a two (2) year limited warranty, and a ninety (90) day limited warranty on products purchased for rent to other end-users. Visit www.OregonProducts.com for complete Oregon® 120V Professional Series™ product warranty and service information.

The Oregon 120V Professional Series limited warranty covers the following products: BL120V-NA Backpack Blower, ST120V-NA String Trimmer, HT120V-NA Hedge Trimmer, EG120V-NA Edger, BX975-UV Battery, BX650-UV Battery, C1600-NA Charger, CD01120VX-NA Battery-to-Tool Cable, BPBXOR01-UV Backpack, and BPBXS01-UV Backpack. Oregon warrants that covered products will be free from defects in material or workmanship for the period of time and subject to the terms set forth in this limited warranty. The remedy under this limited warranty is limited to Oregon or an authorized service center's repair or replacement of the covered product, at Oregon's sole discretion. Purchaser is responsible for maintaining original proof of purchase.

Servicing Equipment

Oregon 120V Professional Series tools and equipment (tools, batteries, chargers, backpacks, accessories, and components) are designed to be serviceable by a qualified repair person using only original Oregon replacement parts. Only use Oregon Authorized Service Centers. Visit www.OregonProducts.com for a list of Authorized Oregon 120V Professional Series Service Center locations, access product manuals, review authorized replacement and service parts, and view how-to videos.

Contact Us

You can call Oregon's customer service department at 1-800-223-5168, ext. 1. We're here to take your calls between 6:30 a.m. and 4:00 p.m. (Pacific Time) Monday through Friday. You can also email us at TechnicalServices@oregonproducts.com for warranty and service information. You can find an Authorized Service Center listed at www.OregonProducts.com.

Address

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RE: OPE – 120V Series
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