



EP2/EP3 ePruner, Electric Pruning Shears

User's Manual



CAUTION: PLEASE READ MANUAL BEFORE USING TOOL!

FAMILIARIZE YOURSELF WITH TABLE OF CONTENTS FOR EASE OF USE!

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Safety Notice



Before using your new Battery Powered Electric Pruner (ePruner) for the first time, please read instruction manual carefully. Familiarize yourself with the various sections.

Keep manual in a safe and easily accessible place to ensure the proper and safe handling of this tool.

Note: It is the owner's responsibility to pass manual to any subsequent owners or users of this tool.

Safety Symbols

The following symbols are used throughout the manual for easy reference.

Symbols in manual



Warning: Use extreme caution to prevent damage and injury.



Instruction: Steps to prevent damage and injury.



Help: Information to help improve tool handling.



Read Carefully: Read instructions carefully.



Glove: Wear glove to protect hand and fingers from injury.



Eye and Ear Protection: Wear eye and ear protection.



Moisture: Don't operate in the rain or on wet hedges or branches.



Disposal: Please do not dispose the batteries in your household trash.
Please take old or used batteries to your local recycling station.

Symbols on battery



Ni-MH or Li-ion battery. Do not dispose with household trash.



Do not dispose the battery in fire as it may explode.



Do not store battery in water or wet environment as it may explode.



Do not expose the battery to direct sunlight or hot surface as it may explode
(Max temperature 140°F/60°C).



Recycle: Please do not dispose batteries in your household trash.
Please take old or used batteries to your local recycling station.

Symbols on charger



Warning



Read before operating



Indoor use only



Temperature Protection



Class II



Disposal: Please do not dispose of batteries in your household trash.

Please take old or used batteries to your local recycling station.

General Power Tool Safety Instructions



Warning! Read all safety directions and instructions.

Omissions in the compliance with safety directions and instructions can cause electrical shock, fire and/or severe injuries.

Retain all safety directions and instructions for future use.

The term “Power Tools” used in the safety instructions refers to electric-operated power tools (with power cord) and to battery-operated power tools (without power cord).

Work Area Safety

1. Keep work area clean and well lit. Cluttered or dark areas invite accidents.
2. Power tools create sparks which may ignite the dust or fumes. Do not operate power tool around explosive gases, which include the presence of flammable liquids or dust.
3. Keep children and bystanders away while operating a power tool. Distractions can cause you to lose control during operation.

Electrical Safety

1. Power tool 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 matching outlets will reduce risk of electric shock.
2. Avoid body contact with grounded surfaces, such as pipes, radiators, ranges and refrigerators. There is increased risk of electric shock if your body is grounded.
3. Do not expose power tool to rain or wet conditions. Water entering a power tool will increase the risk of electric shock and damage to the tool including the battery.
4. Do not abuse the cord. Never use the cord for carrying, pulling or unplugging the power tool. Keep cord away from heat, oil, sharp edges or moving parts. Damaged or entangled cords increase the risk of electric shock. Threading power cord through a picking sleeve will prevent the cord tangling or getting cut.
5. When operating a power tool outdoors, use an extension cord suitable for outdoor use. Use of a suitable cord for outdoor use reduces the risk of electric shock.
6. If charging the tool in a damp location is unavoidable, use a residual current device (RCD) protected supply. Use of an RCD reduces the risk of electric shock.

Power Tool Use Safety

1. Don't overload tool by using outside the designed operation specifications.
2. Don't attempt to use tool if the power switch doesn't work. Contact your local authorized repair center for repair immediately.
3. Disconnect tool from power source before adjusting, repair, or storage of tool.
4. Store tool away from children or untrained operators.
5. Keep tool properly maintained. Always inspect the tool's moving parts; any damaged parts can cause injury.
6. Keep blade sharp and clean. Sharp and clean blades allow tool to operate at optimum performance, reducing the risk of injury to self and tool.
7. Read and understand the manual before using tool. Understanding the manual allows the operator to select the best tool and right accessory, avoiding injury and damage to tool.

Notice for using cordless tools

1. Switch battery to off position before connecting to tool. Connecting tool to the battery while turned on will damage the tool and battery.
2. Tool is designed to be used only with original charger. Using any other charger will result in damage.
3. Tool is designed to be used only with original battery. Using any other battery will result in damage.
4. Store battery away from paper clips, coins, keys, nails, screws or any other small metal parts. A short circuited battery will cause fire and damage.
5. Leakage of liquid from battery touching skin will cause burning. Flush with clean water immediately. If liquid touches eyes, contact Doctor immediately.

Repair

Review Troubleshooting on page 15. Notify Dealer for any serious repairs. Only identical replacement parts will ensure the safety of the power tool is maintained.

Special Safety Instructions:

- a. Keep tool at least 12-inches away from others and yourself while operating.
- b. To avoid injury to yourself and others operate the tool extra carefully when around others.
- c. When not in use, place tool in storage case to avoid damage to tool.
- d. Threading the power cord through a picking sleeve will prevent the cord from tangling or getting cut.

Safety Tips:



Wear suitable work clothes such as boots with non-slip soles, sturdy long trousers, gloves and goggles. Threading the power cord through a picking sleeve will prevent the cord from tangling or getting cut.



Do not wear long flowing clothing or jewelry, as this may be caught by moving parts.



Do not use tool while walking barefooted or while wearing open sandals.

- a. Don't use the electric pruner in the rain.
- b. The electric pruner is designed for trimming hedges, vines or branches. Do not use to cut metal, trellis wire, extremely hard wood or other objects.
- c. Do not attempt to dislodge a blocked/trapped blade before switching the tool off.
- d. Before commencing with pruning, check the vines or branches for hidden objects such as trellis wire etc.
- e. When operating the electric pruner always hold with both hands at a safe distance away from your body.
- f. Do not use tool in the vicinity of flammable liquids or gasses. Fire and explosion risk exist in the event of a short circuit.
- g. Check the blades for wear in regular intervals and sharpened. Dull blades will overload the machine resulting in damage which is not covered by warranty.
- h. Do not attempt to repair the tool yourself. First, check Troubleshooting on page 15. If determined a serious repair is needed- contact Dealer.

Special Safety Instructions for Battery Operated Tools:

SCA2 and SCA3 batteries are not interchangeable!

- a. Switch should be in the "off" position before inserting battery. Equipment will become damaged if the switch is in the "on" position.
- b. Charger designed for use indoors only.
- c. Disconnect power to charger when cleaning contacts to avoid damage.
- d. Don't place battery in bright light or on hot surface. It is possible for the battery to explode.
- e. After pruning, let the battery cool down before charging.
- f. Don't take battery apart to avoid damaging the battery or injury to self.
- g. Don't use recycled batteries.

Using Charger Correctly:

- a. Use original charger with rechargeable battery only. Other alternative chargers and batteries can cause fire or explosion.
- b. Always check charger, wire and plug before using. Don't use damaged charger or repair yourself for safety reasons.
- c. Voltage of charger must match your battery; if not same voltage damage will occur.
- d. Disconnect charger before connecting and turning on the ePruner.
- e. Keep charger clean and away from moist or rainy environment. Don't use the charger outdoors as dirt or water will cause damage.
- f. The charger is designed for original battery only.
- g. Avoid using a damaged charger as it will cause damage.
- h. Don't use charger on flammable surface (e.g. paper or dry goods).
- i. Damaged wiring must be replaced.
- j. Fully charge battery 4-5 hours before using tool for the first time. Connect the battery to charger and completely charge the battery before powering on.
- k. To prevent damage, disconnect charger from battery when fully charged.
- l. Normal charging time is 4-5 hours. Charger LED will indicate a green when the battery is done drawing a charge and is completely charged and red while charging.

Caution:

Using the tool carefully will avoid risks as below:

- e. Blades are sharp and can result in injury to body parts and personal property.
- f. Loud noises will damage your ear without ear protection.
- g. Using tool for extended periods of time or in an irrational way may cause injury.



Warning!

Tool emits electromagnetism; this may interfere with implanted medical devices in body. Consult your doctor before using tool if you have an implanted medical device.



Warning!

Don't touch blade with anything other than what you intend to cut when using tool to avoid injury.



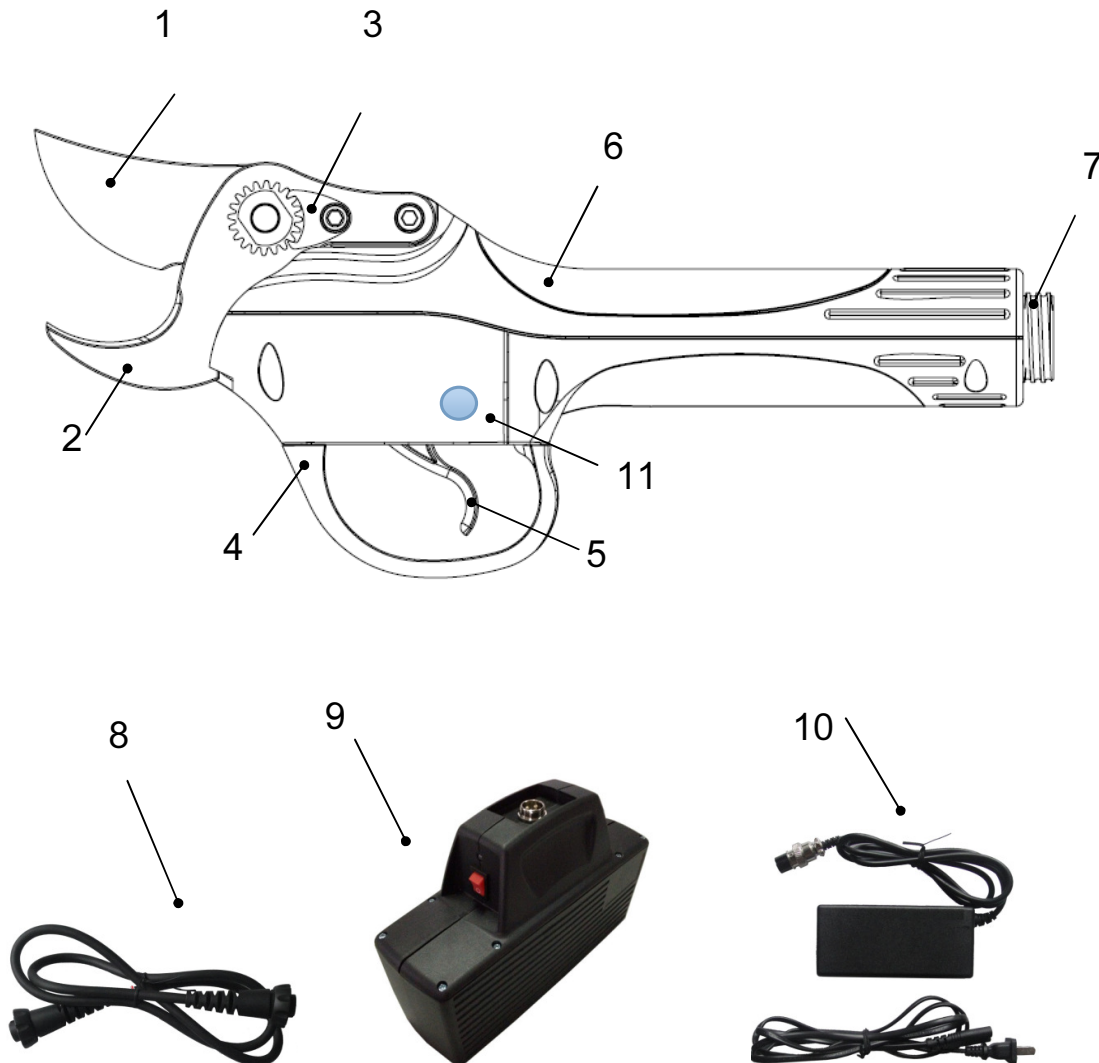
Check blade for sharpness and sharpen blade before use. A dull blade may damage tool which will not be covered under warranty.

Designed Purpose of Tool:

The Zenport ePruner is designed for cutting plants, vines, brush and branches. Cutting any other material may cause damage to tool and/or yourself. Tool is designed for adult use only.

Pruner Diagram and Description:

This tool features blades that are made of SK5 Japanese steel. The upper and lower covers are made of a very light but strong magnesium alloy which lends itself to a lighter design for easy single hand operation. This robust design let's you use the tool safely with easy operation and efficiency. If any abnormal operation occurs; just release the trigger and the blade will open to normal resting position.



Part List:

1. Cutting Blade
2. Counter Bade
3. Blade Adjustment Gear Clip
4. Trigger Guard
5. Trigger
6. Handle Grip
7. Battery Connector
8. Pruner Battery Wire
9. Battery
10. Battery Charger
11. Blade Cutting Size Adjustment Button

Specifications:

Specifications		
Pruning Shear		
1	Max cutting diameter	SCA2: 1.1-inch/Green SCA3: 1.5-inch/Green
2	Rated voltage	DC 36.0V
3	Rated power	300 W
4	Rated current	10.0 A
5	Current protection	$\geq 40A$
6	Class	II
7	Weight	1.9lbs, 0.9 Kg
Lithium Battery		
1	Capacity	4.4 Ah
2	Voltage	36.0V
3	Running time	12.0 hours
4	Weight	3.3lbs, 1.5kg
Battery Charger		
1	Rated voltage	100-240V AC ,50-60Hz
2	Output voltage	DC41.5V
3	Charging current	1.0A
4	Class II	II
5	Charging time	4.5 hours

First Time Use :

Open package carefully, inspection parts below:

- Pruning Shear
- Battery
- Charger
- Pruner Battery Wire
- Harness
- Maintenance Tool Kit
- Wire Straps
- Manual



Disconnect Battery From Tool Before Charging.

- Always check battery connectors – make sure connections are dry and clean before charging.
- The first time use of battery will need to be fully charged.
- Replace battery if charging time takes over 5 hours.
- Read all safety rules and environmental precautions before using tool.

Charging battery :

1. Charging temperature at +50°F~+72°F indoor.
2. Check switch is at “OFF” position at charging.
3. Connect adaptor to charger with battery correctly.
4. Always check specifications before charging.
5. Red LED light indicates charging needed, green LED light indicates full charge, average charging time about 4-5 hours.
6. Pull out connector from power and battery after charging is complete.
7. Please make sure to charge battery at least one time per month if battery is not used.

Assembly:

Please make sure pruner, cable and battery connections are clean and dry.

Assemble as below:

1. Take out the backpack and battery from the protective carrying case.
2. Put battery into the backpack back pocket with the top of the battery pointing down allowing the top of the battery to protrude out the bottom of the pocket exposing the connector, power switch and LED readout. Connect the cable from left side - reverse the direction of the battery if left-handed. Secure battery in the pocket with provided

- Velcro fastener and straps.
3. Connect the cable with battery tightly. Avoid cross threading by applying a small amount of grease or oil to the threads. With use the threads will move easier.
 4. Put the harness on by securing cross buckles and belt. The holster is designed to be looped through the belt.
 5. To prevent the pruner power cord from tangling or getting cut, run the cord on the inside of your coat sleeve or use the provided Velcro cord straps.
 6. Connect the cable with pruner tightly. Avoid cross threading by applying a small amount of grease or oil to the threads. With use the threads will move easier.
 7. Grip the pruning shear handle tightly
 8. Turn on the power switch; pull the trigger 3X in fast sequence, blade will open. The pruner is designed this way to avoid errant activation of the pruner.

Working Environment:

1. Keep environment temperature at 32°F ~ 113°F when charging battery, keep 14°F ~ +140°F.
2. Keep tool between 23°F ~ 86°F.

Operation:



Please wear suitable clothing and gloves when operating this tool. Threading the power cord through a picking sleeve or using provided Velcro cord straps will prevent the cord from tangling or getting cut. Always check tool before use, make sure on/off switch and safe switch are all ok. Release the trigger for the cutting blade to return to its resting position.



Check blade frequently to keep it clean and sharp. A clean sharp blade will increase performance and extend the life of the tool.



Switch tool off, make sure blade is fully stopped before servicing. Do not touch the blade with your hand when power is on.

1. The output direction of the cable and the direction for holding the pruner should be connected on the same side. You can connect to right side if you are right handed or left side if you are left handed.
2. Adjust your backpack and fasten your belt securely.
3. Connect the cable with pruner tightly.
4. Turn on the power switch. After tone, rapidly pull the trigger three times without holding. If the pruner does not activate, check whether the wire connecting the pruner

and battery is tight; if the wire is loose, tighten and turn power on again. If pruner is not working and you hear four continuous warning beeps, charge the battery immediately.

5. Don't overload while cutting, as damage will occur.
6. If the blade has been jammed by a branch, the blade will remain in maximum opening. Caution: Don't twist the pruner from the left to right when cutting as this will result in damage to the blade.
7. You can adjust the opening of the blade from large to small by pressing the black button on the left hand side of the electric pruner.
8. When you are done pruning press the trigger and hold 5 seconds; the blade will stay closed. Turn off the power switch and pull out the cable from the battery.

Cleaning:

- Don't flush tool or place in water, this will cause a short circuit and damage tool.
- Keep motor and handle clean, always use a soft cloth to clean tool.
- Don't use cleanser to flush tool as it will rust parts.
- Clean the blade after every use, protect with oil or spray protection.
- Open front cover for cleaning the impurities (follow maintenance directions)

Adjusting Blade Clearance:

Always check and adjust the clearance of blade to 0.1mm. Making sure proper clearance will allow more efficient cutting. You can adjust the clearance by loosening the center bolt adjustment gear clip. The adjustment is made by loosening or tightening the adjustment gear nut. Once the desired adjustment is achieved, secure the gear clip back in place.

Storage:

- Don't dispose the battery in a hot or cold environment.
- Remove battery from device if storing for a long time.
- Store the battery and charger in original case to keep away from heat, dust and humidity.
- Check switch is in off position before storage.

Battery should be storage to dry environment, see below:

Storage less than 1 month	-4.0 F ~ 140.0 F
Storage less than 6 months	14.0 F ~ 95.0 F
Storage over 6 months	32.0 F~ 86.0 F

- Charge battery fully before storing for long periods of time.
- Charge battery every month if placed in storage for long periods of time.

Charge Indicator:

Lithium Battery	
LED	Battery capacity
Three green squares	80%-100%
Two green squares	50%-80%
One green squares	30%-50%
One red square	Below 30%
Lithium Battery	
LED indication	voltage
Green	$34 < V_{cc} \leq 42$
Red	$V_{cc} \leq 34$
Charger	
Indication	State
Red	Charging
Green	Charging Completed

Remark: voltage (V)

Spare parts:

Manufacturer can provide high quality spare parts.

- Battery
- Charger
- Blade
- Wire connector

Warranty :

The warranty covers 24 months for Core Parts, including Li-battery, Charger, Motor & Transmission Mechanism. Trigger & Signal Wire, Controller and Machinery Parts have a 3 month warranty barring following conditions:

- Any abnormal wear and/or overload of tool
- Self maintenance to damaged tool
- Abnormal use of tool
- Damage resulting from carrying, dropping or impact etc.
- Failure of tool after taking apart or self repair
- Natural disaster (fire or flood or disputed reason)
- Heavy impact
- Using incorrect battery or accessory
- Failing to replace part within warranty period

Troubleshooting:

Issue	Reason	Solution
ePruner will not start	Battery Depleted	Charge Battery
	Disconnected Battery	Connect Battery
	Power Switch Off	Switch On
	Power Switch Failure	Notify Dealer
Runs abnormal	Connector Damaged	Notify Dealer
	Trigger Switch Damaged	
Blade super hot	Blade Dull	Sharpen Blade or Replace
	Blade Damaged	Sharpen Blade or Replace
	Lubrication Low	Apply Grease to Blade
Cutting surface bad	Friction Force added	Apply Grease to Blade
	Dirt on Blade	Clean Blade
	Blade Dull	sharpen blade or replace
	artifice not enough	Read Instructions carefully
	Battery Depleted	Charge battery
Red LED flash on charger	Battery not fully charged or fully inserted in charger	Charge or re-insert the battery to charger
	Charger not connected to power	Re-connect
	Electrode dirty	Clean dirt
	Battery failure	Replace battery
	Charger failure	Replace charger
Two warning notes / two warning notes repeat 10 times	Signal for blade opening failure, shear is in need of repair	Notify Dealer
Three warning notes / two warning notes repeats 10 times	signal for cutting closing positioning fail, shear is in need of repair	Notify Dealer
Four warning notes/ two warning notes repeats 10 times	motor failure, shear is in need of repair	Notify Dealer
Ten warning notes/ two warning notes repeats 10 times	Minor maintenance needed	Add grease to worm drive
Five long warning notes / repeats 10 times	Major maintenance needed	Notify Dealer