

KYROS

JAPAN TECHNOLOGY

Electric pruning shears

KY-115



Product Using Manual

Warning! Before operation, please read the product manual carefully and keep it for future reference.

Thank you for purchasing our company electric pruning scissors. Please keep this manual for your reference at any time. The products follow the strategy of sustainable development. The company reserves the right to upgrade and improve the products described in this document without prior notice.

KYROS
JAPAN TECHNOLOGY









Safety Precautions

In order to protect your safety and the safety of others, please read this manual carefully before using for the first time. Keep this manual in a safe place. If changes are made, be sure to check the updated contents. If ownership of your ePruner changes, please forward this manual to the new owner.






Symbols Defined

This section details the basic safety symbols on the machine.





The Symbols in the Manual

-  Warning: Use extreme caution to prevent damage or injury!
-  Instruction(The indication is at the exclamation point): With information to prevent damage.
-  Help: Information to help improve tool handling.
-  Read Carefully: Read the instruction manual carefully.
-  Gloves: Please wear gloves to protect hand and fingers prevent injury.
-  Eye/Ear Protection: Wear ear and eye protection.
-  Moisture: Do not operate in the rain weather 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.

The Symbols on the Battery

-  Ni-MH battery or lithium battery. Do not discard with household trash.
-  Do not dispose the battery in fire. It may explode.
-  Do not store battery in water or wet environment as it may explode or invalidate the battery.
-  Do not expose the battery to direct sunlight or put on heater as it may explode. (Max temperature 140F/60°C)
-  The battery can be recharged and recycled. Recycle the battery and do not dispose batteries in your household trash. Please take old or used batteries to your local recycling station.

The Symbols on the Charger

-  Warning! Use extreme caution to prevent damage or injury.
-  Please read before operating.
-  Indoor use only.
-  Temperature Protection.



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!

- 1) Read all safety directions and instructions. Failure to follow the warnings and instructions below may result in electric shock, fire, and/or serious injury.
- 2) Keep all safety directions and instructions for future reference.
- 3) In all the following warning terms, "power tool" refers to an electrically driven (wired) power tool or a battery powered (wireless) power tool.

Work Area Safety

- 1) Keep the work area clean and bright. Poor visibility can cause accidents.
- 2) Do not operate the power tool in a hazardous environment, such as in areas with flammable liquid, gas or dust. Sparks from power tools ignite dust or gas.
- 3) Keep children and bystanders away from operating power tools. Operate the power tool without any distractions. Inattention can cause the operator to lose control of the tool.

Electrical Safety

- 1) Always make sure that tool plug matches the socket. Never modify the plug in any way. Do not use any conversion plugs for power tools that need to be grounded. If the plug is difficult to place inside of the socket, double check the alignment of the plug key and plug type. Unmodified plugs and matching outlets will reduce the risk of electric shock.
- 2) Do not use any ungrounded AC adapter plugs with grounded power tools.
- 3) Avoid bodily contact with grounded surfaces such as pipes, radiators, ranges and refrigerators. If your body is grounded, it will increase the risk of electric shock.
- 4) Do not expose the power tool to rain or wet conditions. Water entering the power tool will increase the risk of electric shock.
- 5) Do not misuse the electrical wire.
 - Never use the electrical wire to carry, pull power tool or unplug the plug. Keep the wire away from heat, oil, sharp edges, or moving parts.
 - Damaged or entangled wire increase the risk of electric shock

- Threading the power cord through a picking sleeve will prevent the cord tangling or getting cut.
- 6) When using power tools outdoors, use an outdoor external cord. A cord suitable for outdoor use will reduce the risk of electric shock.
 - 7) 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.

Bodily Safety

- 1) Be awake, alert and pay close attention during the operation of power tools. Do not operate the power tool when you are tired, intoxicated or on medication. Falling asleep or losing consciousness during in the operation of the power tool can result in serious personal injury.
- 2) Use personal protective equipment. Always wear goggles and safety equipment such as dust masks, non-slip safety shoes, hard hats, hearing protection, etc. Wearing safety gear in appropriate conditions can reduce personal injury.
- 3) To prevent accidental start-up, make sure the switch is in the off position when connecting the power supply, battery, picking up or carrying the tool. Inserting the plug when the tool is plugged in or when it is turned on can be dangerous.
- 4) Remove all adjustment keys or wrenches before the power tool is turned on. A wrench or key left on the moving parts of the power tool can cause personal injury.
- 5) Do not overextend your reach and lose balance. Always pay attention to your foothold and body balance. This allows for good control of the power tool especially during unexpected situations.
- 6) Dress properly. Do not wear loose clothing or jewelry. Keep clothing, gloves and hair away from moving parts. Wearing loose clothes, accessories, or long hair may get caught in moving parts.
- 7) If you are providing equipment for connection with chip evacuation and dust collection equipment, make sure they are connected and used properly. Use these devices to reduce the risk of dust.

Power Tool Use Safety

- 1) Don't overload tool by using it outside the designed operation specifications. Choosing the right power tool will make your work more efficient and much safer.
- 2) Don't attempt to use tool if any of the switches are not working properly. Power tools that cannot be controlled with switches are dangerous and must be repaired.
- 3) Unplug your power tool from the power supply and/or the battery before any adjustments, cleaning, maintenance, replacement of accessories or in

preparation of storage. This protective measure will reduce the risk of accidental start-up of the tool.

- 4) Store unused power tools outside the reach of children.
- 5) Do not allow the power tools to be operated by people unfamiliar with power tools or these instructions. Power tools are dangerous in the hands of untrained users.
- 6) Power tool maintenance: check that the moving parts are in place or stuck, check the damage of the parts and other conditions that affect the operation of the power tool. In case of damage, the power tool should be repaired before use. Many accidents are caused by poorly maintained power tools.
- 7) Keep the cutting tool sharp and clean. Well-maintained tools with sharp cutting edges are less likely to get stuck and are easy to control.
- 8) Use the power tool, accessories, and tooltips in accordance with the operating instructions and work conditions. Using power tools for operations that do not match their purpose can be dangerous.

Battery-Operated Tool Precautions

- 1) Make sure the switch is off before inserting the battery pack into your ePruner. Inserting the battery into a power tool whose switch status is ON can cause an accident or damage to the tool.
- 2) Charge only with the charger specified by the manufacturer. There is a danger of fire when using a charger that is unsuitable.
- 3) Use only power tools with special battery compartments. Damage and fire hazards can occur with other battery compartments.
- 4) When the battery case is not in use, keep it away from other metal objects, such as paper clips, coins, keys, nails, screws or other small metal objects, in case one end is connected to the other end. A short circuit at the end of the battery can cause fire.
- 5) When used inappropriately, the liquid may splash out of the battery so one must avoid contact. If you accidentally come in contact, rinse with water. If liquid contacts your eyes, seek medical help. Liquid spilled from the battery can corrode or burn.

Special Safety Instructions

- 1) Keep the tool at least 6 inch away from any part of the body.
- 2) Do not remove the cuts while the blade is moving.
- 3) Do not hold the objects you intend to cut.
- 4) Only remove cuts when the power is off.
- 5) When using the pruning shears, a slight oversight may result in serious personal injury.
- 6) When the blade is stopped, move the pruning shears with the handle.
- 7) Careful use of pruner will reduce the risk of injury from the blade.

Other Safety Instructions

- 1) For personal safety, wear suitable gear such as non-slip boots and protective trousers, Gloves and goggles.
- 2) Do not wear loose, lengthy clothing and jewelry to avoid getting caught in moving parts.
- 3) Do not use this tool with bare feet or slippers.
- 4) Do not use this pruning shear in the rain or near strong magnetic fields.
- 5) This product is designed to trim hedges and branches. Do not use for cutting hard wood and other items.
- 6) Do not attempt to remove the jammed blade until the power is turned off.
- 7) Before starting to trim, check the hidden items in the hedge and branches, such as wires, iron wires, etc.
- 8) When using this product, always hold the tool with one hand and keep at least 6-inches away from the other hand and all parts of the body.
- 9) Do not use this tool near flammable liquids or gases. If a short circuit occurs, it may cause an explosion or fire.
- 10) The blade must be inspected regularly and sharpened. A dull blade will load the machine. Warranty does not cover the resulting damage from dull blades.
- 11) Unless you have received training, please do not repair your ePruner yourself. Repairs not mentioned in this manual can only be performed by trained personnel in our service center.

Special Safety Instructions for Battery-Powered Tools

- 1) Make sure the battery switch is off before inserting the battery. Inserting the battery without turning it off may result in damage to the device.
- 2) The battery charger is designed for indoor use, it is necessary to ensure that the battery is only charged indoors.
- 3) Before cleaning the charger, please unplug the charger from the AC outlet and from the battery pack to reduce the safety risk.
- 4) Do not leave the battery under direct sunlight for a long time. Do not place the battery on the heater. Heat can damage the battery and there is a danger of explosion.
- 5) Before charging, please ensure that the high temperature battery is fully cooled.
- 6) Do not open the battery to avoid any mechanical damage. It may cause a short circuit or emit a gas that is harmful to the respiratory tract. In case of discomfort, inhale fresh air and seek medical advice.
- 7) Do not use a non-rechargeable battery or any other power source not approved by the manufacturer.

Proper Use of the Battery Charger

- 1) Only use the supplied charger to charge the battery. Failure to do so may result in fire or explosion. Use the matching charger to ensure the safety of the device.
- 2) Check the charger, cord and plug before each use. If it is damaged, please have it repaired by qualified personnel and use original parts. Do not use a defective charger and turn it on yourself to ensure the safety of the device.
- 3) The link socket of the charger must be grounded. Make sure that the power supply voltage matches the rating of the nameplate on the charger. Otherwise, there may be an electric shock.
- 4) Disconnect the charger from the power source before closing or opening the connection to the battery/power tool/device.
- 5) Keep the charger clean and away from humid environments and rain. Do not use the charger outdoors. The ingress of dirt or moisture will increase the risk of electric shock.
- 6) The charger can only be used to charge the original battery. If it is charged for other batteries, it may cause personal injury and cause fire.
- 7) Avoid mechanical damage to the charger. Otherwise, it may cause an internal short circuit.
- 8) Do not use the charger (e.g. paper, textiles) on the surface of flammable materials.
- 9) If the equipment is damaged, it must be replaced by the manufacturer, customer service personnel or personnel with the same or similar qualifications to prevent danger.
- 10) At the time of delivery, the battery of this product is not fully charged. Therefore, the user must fully charge it before using it for the first time. For the first charge cycle, we recommend that the user charge for 2-3 hours. Insert the battery into the base and plug the charger into the power outlet.
- 11) After the battery is fully charged, unplug the charger from the power supply and the device.
- 12) Charging time is about 2-3 hours after the battery is completely discharged. Do not charge the battery for an extended period as this will damage the battery. Note: Repeating low battery charge may damage the battery. Only charge when the battery has only one LED display.

Other Risks

Even with the correct use of this power tool, some risks will still exist. Due to its structural characteristics, this power tool may have some hidden dangers:

- 1) Cuts.
- 2) Cause hearing damage when the ear guard is not worn.

- 3) Damage to the user's body due to prolonged or unreasonable operation of the device by hand.



Warning!

When in use, the electric device will generate an electromagnetic field. In certain circumstances, this magnetic field can damage the function of the human implant. In order to avoid serious injury, we recommend users who have implants in the body, consult the doctor and the manufacturer of the implant before using this product.



Do not touch the blade while the ePruner is on to avoid personal injury.

Intended Use

This device can be used for trimming hedges, shrubs and branches. If this product is used for other unapproved purposes, it may cause damage to the equipment and cause harm to the user.

This device can only be used by adults. Minors over the age of 16 can use the device under the supervision of an adult. Do not use the device on rainy days or on wet hedges. The operator or user assumes full responsibility for any accidents during use, injury to others or loss of property to others.

The manufacturer is not responsible for damage caused by unconventional or improper use.

Before using, please check if the blade is sharp. If the blade is blunt, be sure to sharpen the blade to prevent the machine from being loaded. Damage due to the use of blunt blades is not included in quality assurance.

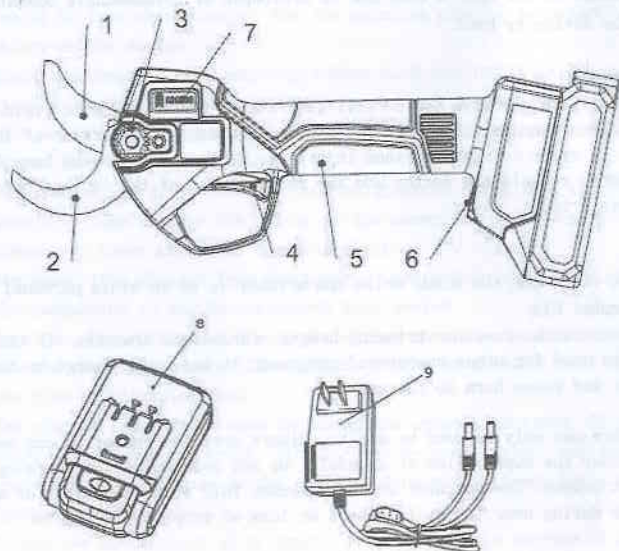
Description of Functions

This cordless battery powered electric garden pruning shear is made of special grade steel and is a strong and powerful tool. Lightweight for easy one-handed operation. This product combines safety, efficiency, and ease of operation.

When used, the cutting is even and smooth causing no damage to the plants. If an abnormality occurs, simply release the trigger and the blade will open in the maximum position to avoid personal injury or property damage.

Parts List

Part Name	Quantity	Unit



- 1) Cutting blade, 2) Fixed blade, 3) Blade fixing mechanism, 4) Trigger
5) Grip, 6) Switch, 7) Battery indicator, 8) Battery, 9) Charger

technical parameter		
pruning shears		
KY115		
1	cut diameter	40mm
2	rated voltage	DC21V
3	rated power	450W
4	rated current	50A
5	weight	970g
Li-battery		
1	capacity	2500mA
2	voltage	21V
3	working time	3~4H

charger

1	rated voltage	100-240V AC, 50-60Hz
2	Output voltage	DC 22V
3	charge time	2~3H

Included Items

Please carefully open the package and check that the parts are complete:

- Electric Pruning Shears
- Battery
- Charger
- Tool box
- Instruction Manual & Warranty Card

Charging the Battery

▲ Do not expose the battery to extreme conditions such as high temperatures or shocks. Otherwise, personal injury will result from leakage of the electrolytic solution.

▲ Before charging, check that the battery surface is clean and dry.

- The battery of this product is fully charged before delivery. Therefore, it must be fully charged before first use.
- Charge the battery when the power indicator light is lit.
- Do not charge the battery for a long time, and avoid using all the power in the battery, otherwise the battery will be damaged. This quality assurance does not cover failures due to improper use.
- If the battery life of the fully charged battery is significantly shorter, it proves that the battery has been used up and must be replaced. Users can only use the original equipment-built (OEM) battery packs provided by the Customer Center.
- Always keep in mind the applicable safety instructions, environmental regulations and environmental information.
- Place the charger in a room between 50° F and 72° F at room temperature to prevent moisture ingress.
- Check if the switch is in the off position.
- Connect the charger's adapter to the appropriate connector of the battery pack.
- Make sure the power supply matches the rating on the charger and adapter.

- When the red light on the charger is on, it indicates that the battery is charging, and the green light indicates that charging is complete. The average charging time is 1-1.5 hours.
- When charging is complete, unplug the connector from the power source and disconnect the connector from the battery.
- Please ensure that the battery is charged at least once every three months when the battery is not in use for a long time.



When charging the battery, the pruning shears must be disconnected.

Working Conditions

- 1.) Keep the charging temperature of the charger and battery pack between 32° F ~ 113° F, and the battery pack discharge temperature between 14° F ~ 140° F.
- 2.) The working temperature of the pruning shears 23° F ~ 86° F.

Assembly

Please check that the pruning shears, wires and batteries are clean and dry, and then follow the steps below to assemble:

- 1) Place the battery pack in the battery compartment. Make sure that the connector is facing right if you are right handed.
- 2) Check the opening and closing position of the pruning shears.
- 3) Grip the handle with your hands.
- 4) Turn on the power switch, pull two scissors to the trigger in a row and open the scissor head. You can start the operation.

Operating Instructions



When using this device, wear suitable clothing and work gloves. The risk of injury can be reduced by wearing a protective device and ensuring that the device is functioning properly.



Make sure the device is functioning properly before each use. The start/off switch and safety switch must be in working use. If the switch is loose, the power must be turned off. If the switch is damaged, stop using the device.



Ensure that the voltage of the power supply is consistent with the voltage on the device nameplate.



Make sure the scissors work properly to ensure that the electric scissors work in an optimal state.



When the device is turned off, the blade will continue to run for some time. Wait for the blade to stop. Do not touch or block moving blades.

Otherwise, it will cause danger!

- 1) Turn on the power switch, and after hearing the prompt tone, pull the switch twice continuously within 1 second. After hearing the prompt tone again, the pruning shear is in a working state, and the trigger can be started.
- 2) If the pruners stop working during long term use and you hear 4 fast beeps, this is an indication of undervoltage protection which means the battery is depleted. Please charge as soon as possible.
- 3) In order to save battery power and ensure the longest service life of pruning shears, do not overload the device. It is forbidden to cut wet branches more than 25 mm (J25)、32mm (J32)、35mm (J35) and dry branches 15 mm.
- 4) During the shearing process, if the shearing knife encounters a branch that cannot be cut off, then release the trigger to be reset to the opening position, after which the next normal shear session can be carried out.



The blades of the pruner should not be moved around during while cutting, so as not to damage the blades. Never move the pruner side to side when wedged.

Trimming Tips

- When the device is running, please keep your other hand at least 6-inches away from the cutting area of the blade, and the hand should not be placed in the blade.
- Cannot use this device to forcibly cut larger branches, otherwise it may deform the blade, causing the pruning shears to get stuck. Do not tilt and move when trimming branches.
- If the user does not follow the instructions, it may pose a danger. In cold or wet weather, in order to protect the battery pack, please place it under waterproof clothing, please do not use this device on rainy days.
- We recommend that after daily use, you must cut off the connection between the pruning shears and the battery pack, turn off the power switch, and put them together in the companion tool box.
- If the user feels that there is not enough power, or if the cut is not smooth enough, check to see if the charge is depleted or if the blade is dull.

Cleaning and Maintenance

- Cleaning and maintenance of repair work functions not mentioned in this manual shall be carried out by the service center.
- To ensure safe use, only original parts can be used. Please turn off the device before you begin the overhaul.

- Please cut off the connection between the battery and the device and store the battery in a safe package. Wear gloves when touching a safety blade. This prevents sharp blades from scratching the user. Subsequent cleanup and overhauls must be carried out on a regular basis. This ensures the long-term reliable operation of the equipment.

Cleaning

When cleaning your ePruner do not spray the pruner with water or immerse it in water.

- Do not spray the equipment with water or immerse it in water, otherwise it may cause electric shock.
- Keep the handle of the ventilation tank, engine room and equipment clean.
- Clean with a damp cloth or brush.
- Do not use detergents.
- Please clean the blade carefully after each use.
- Wipe the blade with an oily cloth and spray with metal protective spray.
- After 8 hours of continuous operation, please disassemble the front cover of the equipment to clean the wood chips and other impurities.

Disassembly and Assembly Maintenance Steps

General maintenance, cleaning, lubrication and blade replacement requires some disassembly and assembly of your ePruner.

The cover is fastened to the pruner by 4 screws. The center bolt is secured with an adjustable gear nut which is locked into place by a gear nut clip. The gear nut clip is secured by a single bolt.

With the removal of the of the cover, adjustment clip, gear nut, and center bolt you can access, maintain, clean, lubricate and replacement of blades when necessary.

Loosen adjustment clip bolt with allen wrench.

Remove adjustment clip bolt and adjustment clip.

Loosen gear nut with crescent wrench.

Remove adjustment gear nut.

Unscrew 4 cover screws with allen wrench.

Remove cover and disassemble blade set.

Apply grease to recess in blade.

Apply grease to gear teeth and center bolt hole.

Assemble blade set, place cover, Tighten 2 cover screws.

Place gear nut on center bolt.

Tighten gear nut with allen wrench.

Secure gear nut with gear nut clip and insert gear nut clip bolt.

Tighten gear nut clip bolt.

Sharpening

This step is critical because it determines the trimming quality, life of the blade and battery life. The harder it is to cut, the more power your pruner uses.

- When you notice the cuts are slower or when you feel more resistance, check the blade and sharpen the edge.
- The frequency of the sharpening tip depends on the properties of the shearing wood (hardness and diameter), the pruning rate and the sharpened edge of the blade (special sharpening stone and oil are provided).
- In the early stages of use, to get a feel for how often you will need to sharpen the blades, check the blade edge every 15 minutes.
- Adjust cutting and counter blade clearance in order to ensure that the cut is clean and accurate. The gap between the blades should be adjusted regularly as the friction will wear the blades where they contact. The gear nut is designed in a way where you can lock its position with a clip allowing regular adjustments as needed.
- To adjust the blade to the appropriate clearance of about 0.03mm. Remove the gear nut clip, rotate the gear nut clockwise. When adjustment is completed lock the gear nut in place with the gear nut clip.

Pruner Storage

The most important thing to keep in mind before storing your ePruner's lithium ion batteries, is to make sure that the batteries are fully charged up and the power switch off. Storing your battery pack for long extended periods of time with little or no charge will damage your battery and void your warranty.

- 1) Ensure that the battery is fully charge.
- 2) Make sure that the battery pack is switched off.
- 3) Avoid storing the device in extremely hot or cold environments.
- 4) If the device will not be used for a long time, disconnect the battery before storing it.
- 5) Batteries and chargers must be placed in a secure location prevent heat, dust and moisture from entering and check that the switch is off.
- 6) Batteries should be stored in a dry environment.

Suggested Storage Temperatures:

Short-Term (less than one month)	-4° F ~ +140° F
Medium-term (less than six months)	+14° F ~ +95° F
Long-Term (more than six months)	+32° F ~ +86° F

- 7) The battery and flammable matter must be kept at least 5-feet apart.
- 8) In order to ensure the service life of the equipment and to prevent its degradation, it must be stored with enough battery power.
- 9) When not in use, charge the battery at least once a month.
- 10) Do not turn on the power switch while storing.

Checking the Battery Charge Level

indicator light

LED display description	
Capacity	LED display
Above 75%	The green light is on
50%-75%	The yellow light is on
25%-50%	The red light is on
Less than 25%	Red light flashing

Charger	
indicator light	state
gules	charge
green	Charging complete

Electric scissors operation prompt tone

Long press the trigger for 2.5 seconds to switch the size of the mouth (4.0 and 3.0 cm), 5 seconds to standby, 8 seconds to switch the anti-shearing hand

Waste Disposal and Environmental Protection

Remove the battery from the device and recycle the equipment, batteries, accessories and packaging in an environmentally friendly manner.

The device is not to be discarded with common household waste. The equipment is sent out of the recycling center. Metals and plastics in the device can be recycled after they have been filtered.

- Do not dispose the battery with household waste, fire (danger of explosion) or water.
- If toxic gases or liquids leak, damaged batteries can pose a risk to the environment and the health of the user
- Discharge all the power in the battery before disposing.
- Use tape or glue any battery openings to prevent short circuits.
- Do not dispose the battery turned on.
- Discard the battery according to local regulations.
- Send the battery to the battery recovery point for environmentally friendly recycling.

- Please consult your local waste management company or our service center.

Spare parts

If additional spare parts are required, please use the original product and we can provide you with high quality components.

- 1) Battery pack
- 2) Battery charger
- 3) Blades
- 4) Hex Key Wrench
- 5) 4mm hexagon wrench

Troubleshooting

Problem	Possible Reason	Corrective Action
Pruner Will Not Start	Battery dead	Charge Battery
	Battery not connected	Connect battery
	Safety switch cannot be initiated	Open by initiating safety on switch
Intermittent Operation	On / off switch failure	Send to repair service center
	Loose internal connections	Send to repair service center
Hot Blades	Blade dull	Sharpen or replace the blade
	Blade gap	Sharpen or replace the blade
	Poor lubrication, resulting in excessive friction	Lubricate blade
Poor Trimming Performance	Lubrication is not in place, resulting in excessive friction	Lubricate blade
	Dirty blade	Clean blade
	Blade dull	Sharpen or replace the blade
	Trimming technique is poor	Read the instructions carefully
	The battery is not fully charged	Charge the battery

Can not charge. Charger red light flashes.	The battery is not properly placed in the charger	Insert the battery correctly
	The battery charger is not connected properly to the power supply	Connect properly
	Battery contact point is dirty	Clean
	Invalid battery	Replace battery
	Battery charger is invalid	Replace Battery Charger