

Litheli

OPERATOR'S
MANUAL

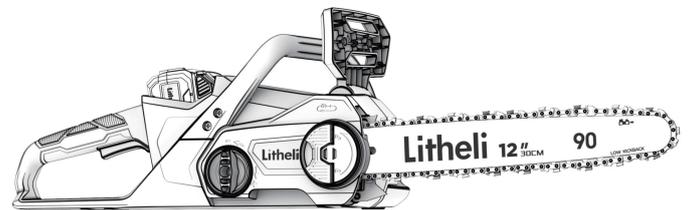
40V CORDLESS CHAINSAW

SKU No.: U1CS12042
Model No.: D06002600



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WELCOME TO A BATTERY POWERED LIFE



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WARNING: To reduce the risk of injury, the user must read and understand the operator's manual before using this product. Save this manual for future reference.

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READ ALL INSTRUCTIONS!



READ AND UNDERSTAND THE OPERATOR'S MANUAL

SAFETY SYMBOLS

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.

The following signal words and meanings are intended to explain the levels of risk associated with this product.

SYMBOL	SIGNAL	MEANING
	DANGER	Indicates a hazardous situation, which, if not avoided, will result in death or serious injury.
	WARNING	Indicates a hazardous situation, which, if not avoided, could result in death or serious injury.
	CAUTION	Indicates a hazardous situation, which, if not avoided, may result in minor or moderate injury.
	NOTICE	(Without Safety Alert Symbol) Indicates information considered important, but not related to a potential injury (e.g. messages relating to property damage).

Some of the following symbols may be used on this product. Please study them and learn their meaning. Proper interpretation of these symbols will allow you to operate the product better and safer.

	To reduce the risk of injury, user must read instruction manual.		WARNING! Do not expose the unit to rain or wet conditions. Keep dry.
	Wear eye protection.		Wear hearing protection.
	Wear head protection.		Wear dust mask
	Wear safety footwear.		Wear protective gloves.
	Tip contact can cause the guide bar to move suddenly upward and backward, which can cause serious injury.		Do not burn the battery pack.
	SAFETY ALERT. Indicate a precaution, a warning or a danger.		Contact of the guide bar tip with any object should be avoided.

	Indoor use only. Only use battery charger indoors.		Waste electrical products must not be disposed of with household waste. Please recycle where facilities exist. Check with your local authorities or retailer for recycling advice.
	Always use two hands when operating the chainsaw		Batteries may enter water cycle if disposed of improperly, which can be hazardous to the ecosystem. Do not dispose of old batteries as unsorted municipal waste.
	Double insulation		Fuse
	Positive terminal		Negative terminal
	Li-Ion battery. This product has been marked with a symbol relating to 'separate collection' for all battery packs and battery pack. It will then be recycled or dismantled in order to reduce the impact on the environment. Battery packs can be hazardous for the environment and for human health since they contain hazardous substances.		

GENERAL POWER TOOL SAFETY WARNINGS

⚠WARNING: Read all safety warnings, instructions, illustrations and specifications provided with this power tool. Failure to follow all instructions listed below may result in electric shock, fire and/or serious injury. Save all warnings and instructions for future reference. The term "power tool" in the warnings refers to your mains-operated (corded) power tool or battery-operated (cordless) power tool.

WORK AREA SAFETY

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

ELECTRICAL SAFETY

1. Power tool plugs must match the outlet. Never modify the plug in any way. Do not use any adapter plugs with earthed (grounded) power tools. Unmodified plugs and matching outlets will reduce risk of electric shock.
2. Avoid body contact with earthed or grounded surfaces, such as pipes, radiators, ranges and refrigerators. There is an increased risk of electric shock if your body is earthed or grounded.
3. Do not expose power tools to rain or wet conditions. Water entering a power tool will increase the risk of electric shock.
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.
5. When operating a power tool outdoors, use an extension cord suitable for outdoor use. Use of a cord suitable for outdoor use reduces the risk of electric shock.

6. If operating a power 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.

PERSONAL SAFETY

1. Stay alert, watch what you are doing and use common sense when operating a power tool. Do not use a power tool while you are tired or under the influence of drugs, alcohol or medication. A moment inattention while operating power tools may result in serious personal injury.
2. Use personal protective equipment. Always wear eye protection. Protective equipment such as dust mask, non-skid safety shoes, hard hat, or hearing protection used for appropriate conditions will reduce personal injuries.
3. Prevent unintentional starting. Ensure the Trigger is in the off-position before connecting to power source, picking up or carrying the tool. Carrying power tools with your finger on the switch or energising power tools that have the switch on invites accidents.
4. Remove any adjusting key or wrench before turning the power tool on. A wrench or a key left attached to a rotating part of the power tool may result in personal injury.
5. Do not overreach. Keep proper footing and balance at all times. This enables better control of the power tool in unexpected situations.
6. Dress properly. Do not wear loose clothing or jewellery. Keep your hair and clothing away from moving parts. Loose clothes, jewelry or long hair can be caught in moving parts.
7. If devices are provided for the connection of dust extraction and collection facilities, ensure these are connected and properly used. Use of dust collection can reduce dust-related hazards.
8. Do not let familiarity gained from frequent use of tools allow you to become complacent and ignore tool safety principles. A careless action can cause severe injury within a fraction of a second.

POWER TOOL USE AND CARE

1. Do not force the power tool. Use the correct power tool for your application. The correct power tool will do the job better and safer at the rate for which it was designed.

2. Do not use the power tool if the switch does not turn it on and off. Any power tool that cannot be controlled with the switch is dangerous and must be repaired.
3. Remove the battery pack from the power tool before making any adjustments, changing accessories, or storing power tools. Such preventive safety measures reduce the risk of starting the power tool accidentally.
4. Store idle power tools out of the reach of children and do not allow persons unfamiliar with the power tool or these instructions to operate the power tool. Power tools are dangerous in the hands of untrained users.
5. Maintain power tools and accessories. Check for misalignment or binding of moving parts, breakage of parts and any other condition that may affect the power tool's operation. If damaged, have the power tool repaired before use. Many accidents are caused by poorly maintained power tools.
6. Keep cutting tools sharp and clean. Properly maintained cutting tools with sharp cutting edges are less likely to bind and are easier to control.
7. Use the power tool, accessories and tool bits etc. in accordance with these instructions, taking into account the working conditions and the work to be performed. Use of the power tool for operations different from those intended could result in a hazardous situation.
8. Keep handles and grasping surfaces dry, clean and free from oil and grease. Slippery handles and grasping surfaces do not allow for safe handling and control of the tool in unexpected situations.

BATTERY TOOL USE AND CARE

1. Recharge only with the charger specified by the manufacturer. A charger that is suitable for one type of battery pack may create a risk of fire when used with another battery pack.
2. Use power tools only with specifically designated battery packs. Use of any other battery packs may create a risk of injury and fire.
3. When 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.
4. 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.

5. Do not use a BATTERY PACK or tool that is damaged or modified. Damaged or modified batteries may exhibit unpredictable behavior resulting in fire, EXPLOSION or risk of injury.
6. Do not expose a BATTERY PACK or tool to fire or excessive temperature. Exposure to fire or temperature above 130 °C may cause explosion.
7. Follow all charging instructions and do not charge the BATTERY PACK or tool outside the temperature range specified in the instructions. Charging improperly or at temperatures outside the specified range may damage the BATTERY and increase the risk of fire.

SERVICE

1. Have your power tool serviced by a qualified repair person using only identical replacement parts. This will ensure that the safety of the power tool is maintained.
2. Never service damaged battery packs. Service of battery packs should only be performed by the manufacturer or authorized service providers.

CHAINSAW SAFETY WARNINGS

1. Keep all parts of the body away from the saw chain when the chain saw is operating. Before you start the chain saw, make sure the saw chain is not contacting anything. A moment of inattention while operating chainsaws may cause entanglement of your clothing or body with the saw chain.
2. Always hold the chainsaw with your right hand on the rear handle and your left hand on the front handle. Holding the chainsaw with a reversed hand configuration increases the risk of personal injury and should never be done.
3. Hold the power tool by insulated gripping surfaces only, because the saw chain may contact hidden wiring. Saw chains contacting a live wire may make exposed metal parts of the power tool live and could give the operator an electric shock.
4. Wear safety glasses and hearing protection. Further protective equipment for head, hands, legs and feet is recommended. Adequate protective clothing will reduce personal injury by flying debris or accidental contact with the saw chain.

5. Do not operate a chainsaw in a tree. Operation of a chain saw while up in a tree may result in personal injury.
6. Always keep proper footing and operate the chainsaw only when standing on fixed, secure and level surface. Slippery or unstable surfaces such as ladders may cause a loss of balance or control of the chainsaw.
7. When cutting a limb that is under tension be alert for spring back. When the tension in the wood fibres is released the spring loaded limb may strike the operator and/or throw the chain saw out of control.
8. Use extreme caution when cutting brush and saplings. The slender material may catch the saw chain and be whipped toward you or pull you off balance.
9. Carry the chainsaw by the front handle with the chainsaw switched off and away from your body. When transporting or storing the chainsaw always fit the guide bar cover. Proper handling of the chainsaw will reduce the likelihood of accidental contact with the moving saw chain.
10. Follow instructions for lubricating, chain tensioning and changing accessories. Improperly tensioned or lubricated chain may either break or increase the chance for kickback.
11. Keep handles dry, clean, and free from oil and grease. Greasy, oily handles are slippery causing loss of control.
12. Cut wood only. Do not use chainsaw for purposes not intended. For example: do not use chainsaw for cutting plastic, masonry or non-wood building materials. Use of the chainsaw for operations different than intended could result in a hazardous situation.
13. Do not attempt to fell a tree until you have an understanding of the risks and how to avoid them. Serious injury could occur to the operator or bystanders while felling a tree.

CAUSES AND OPERATOR PREVENTION OF KICKBACK:

Kickback may occur when the nose or tip of the guide bar touches an object, or when the wood closes in and pinches the saw chain in the cut. Tip contact in some cases may cause a sudden reverse reaction, kicking the guide bar up and back towards the operator. Pinching the saw chain along the top of the guide bar may push the guide bar rapidly back towards

the operator.

Either of these reactions may cause you to lose control of the saw which could result in serious personal injury. Do not rely exclusively upon the safety devices built into your saw. As a chainsaw user, you should take several steps to keep your cutting jobs free from accident or injury. Kickback is the result of tool misuse and / or incorrect operating procedures or conditions and can be avoided by taking proper precautions as given below:

- Maintain a firm grip, with thumbs and fingers encircling the chainsaw handles, with both hands on the saw and position your body and arm to allow you to resist kickback forces. Kickback forces can be controlled by the operator, if proper precautions are taken. Do not let go of the chainsaw.
- Do not overreach and do not cut above shoulder height. This helps prevent unintended tip contact and enables better control of the chainsaw in unexpected situations.
- Only use replacement bars and chains specified by the manufacturer. Incorrect replacement bars and chains may cause chain breakage and/or kickback.
- Follow the manufacturer's sharpening and maintenance instructions for the saw chain. Decreasing the depth gauge height can lead to increased kickback.

RESIDUAL RISKS

Even with the intended use of the appliance there is always a residual risk, which can not be prevented. According to the type and construction of the appliance the following potential hazards might apply:

- Contact with exposed saw teeth of the saw chain (cutting hazards)
- Access to the rotating saw chain (cutting hazards)
- Unforeseen, abrupt movement of the guide bar (cutting hazards)
- Flung out of parts from the saw chain (Cutting / injection hazards)
- Flung out of parts of the work piece
- Skin contact with the oil
- Loss of hearing, if no required ear protection used during work

SAVE THESE INSTRUCTIONS

Instructions concerning the proper techniques for basic felling, limbing, and cross-cutting.

1. Felling a tree

When bucking and felling operations are being performed by two or more persons at the same time, the felling operations should be separated from the bucking operation by a distance of at least twice the height of the tree being felled. Trees should not be felled in a manner that would endanger any person, strike any utility line or cause any property damage.

If the tree does make contact with any utility line, the company should be notified immediately. The chainsaw operator should keep on the uphill side of the terrain as the tree is likely to roll or slide downhill after it is felled.

An escape path should be planned and cleared as necessary before cuts are started. The escape path should extend back and diagonally to the rear of the expected line of fall as illustrated in Figure 1.

Before felling is started, consider the natural lean of the tree, the location of larger branches and the wind direction to judge which way the tree will fall.

Remove dirt, stones, loose bark, nails, staples and wire from the tree.

2. Notching undercut

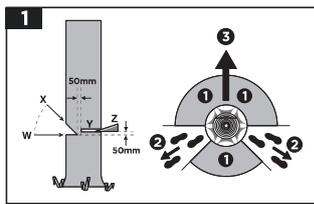
Make the notch 1/3 the diameter of the tree, perpendicular to the direction of falls as illustrated in Figure 1.

Figure 1. Make the lower horizontal notching cut (W) first. This will help to avoid pinching either the saw chain or the guide bar when the second notch (X) is being made.

3. Felling back cut

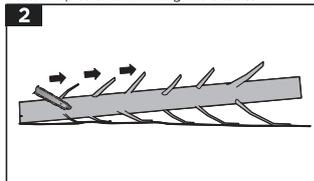
Make the felling back cut (Y) at least 50 mm higher than the horizontal notching cut as illustrated in Figure 1. Keep the felling back cut parallel to the horizontal notching cut. Make the felling back cut so enough wood is left to act as a hinge. The hinge wood keeps the tree from twisting and falling in the wrong direction. Do not cut through the hinge. As the felling gets close to the hinge, the tree should begin to fall. If there is any chance that the tree may not fall in desired direction or it may rock back and bind the saw chain, stop cutting before the felling back cut is complete and use wedges of wood, plastic or aluminium (Z) to open the cut and drop the tree along the desired line of fall (Q).

When the tree begins to fall remove the chainsaw from the cut, stop the motor, put the chainsaw down, then use the retreat path planned (Q). Be alert for overhead limbs falling and watch your footing.



4. Limbing a tree

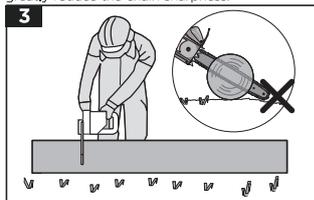
Limbing is removing the branches from a fallen tree. When limbing leave larger lower limbs to support the log off the ground. Remove the small limbs in one cut as illustrated in Figure 2. Branches under tension should be cut from the bottom up to avoid binding the chainsaw.



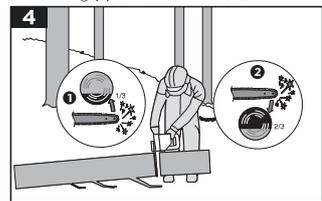
5. Bucking a log

Bucking is cutting a log into lengths. It is important to make sure your footing is firm and your weight is evenly distributed on both feet. When possible, the log should be raised and supported by the use of limbs, logs or chocks. Follow the simple directions for easy cutting.

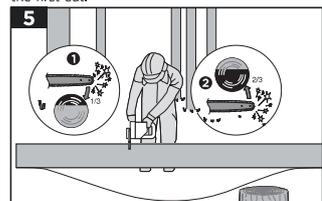
When the log is supported along its entire length as illustrated in Figure 3, it is cut from the top (overbuck), avoid contacting ground as this will greatly reduce the chain sharpness.



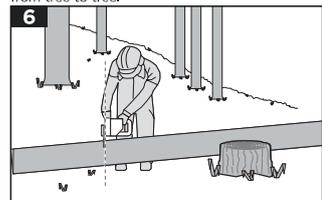
When the log is supported on one end, as illustrated in Figure 4, cut 1/3 the diameter from the underside (underbuck) (1). Then make the finished cut by overbucking (2) to meet the first cut.



When the log is supported on both ends, as illustrated in Figure 5, cut 1/3 the diameter from the top (overbuck) (1). Then make the finished cut by underbucking (2) the lower 2/3 to meet the first cut.



When bucking on a slope always stand on the uphill side of the log, as illustrated in Figure 6. When "cutting through", to maintain complete control release the cutting pressure near the end of the cut without relaxing your grip on the chainsaw handles. Don't let the chain contact the ground. After completing the cut, wait for the saw chain to stop before you move the chainsaw. Always stop the motor before moving from tree to tree.



SAFETY WARNINGS FOR BATTERY PACK

1. Do not use a BATTERY pack or tool that is damaged or modified. Damaged or modified batteries may exhibit unpredictable behaviour resulting in fire, EXPLOSION or risk of injury. Do not dismantle, open or shred cells or battery pack.
2. Do not short-circuit a battery pack. Do not store battery packs haphazardly in a box or drawer where they may short-circuit each other or be short-circuited by conductive materials.
3. When 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.
4. Do not expose a BATTERY pack or tool to fire or excessive temperature. Exposure to fire or temperature above 130 °C may cause explosion. Avoid storage in direct sunlight.
5. Do not subject battery pack to mechanical shock.
6. 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. Seek medical advice immediately if a cell or battery pack has been swallowed.
7. Keep battery pack clean and dry.
8. Wipe the battery pack terminals with a clean dry cloth if they become dirty.
9. Battery pack needs to be charged before use. Always refer to this instruction and use the correct charging procedure.
10. Do not maintain battery pack on charge when not in use.
11. After extended periods of storage, it may be necessary to charge and discharge the battery pack several times to obtain maximum performance.
12. Battery pack gives its best performance when it is operated at normal room temperature (20°C±5°C).
13. When disposing of battery packs, keep battery packs of different electrochemical systems separate from each other.
14. Recharge only with the charger specified by Litheli. Do not use any charger other than that specifically provided for use with the equipment. A charger that is suitable for one type of battery pack may create a risk of fire when used with another battery pack.
15. Do not use any battery pack which is not designed for use with the equipment.

- 16. Keep battery pack out of the reach of children.
- 17. Retain the original product literature for future reference.
- 18. Remove the battery from the equipment when not in use.
- 19. Follow all charging instructions and do not charge the BATTERY pack or tool outside the temperature range specified in the instructions. Charging improperly or at temperatures outside the specified range may damage the BATTERY and increase the risk of fire.

SAFETY WARNINGS FOR BATTERY CHARGER

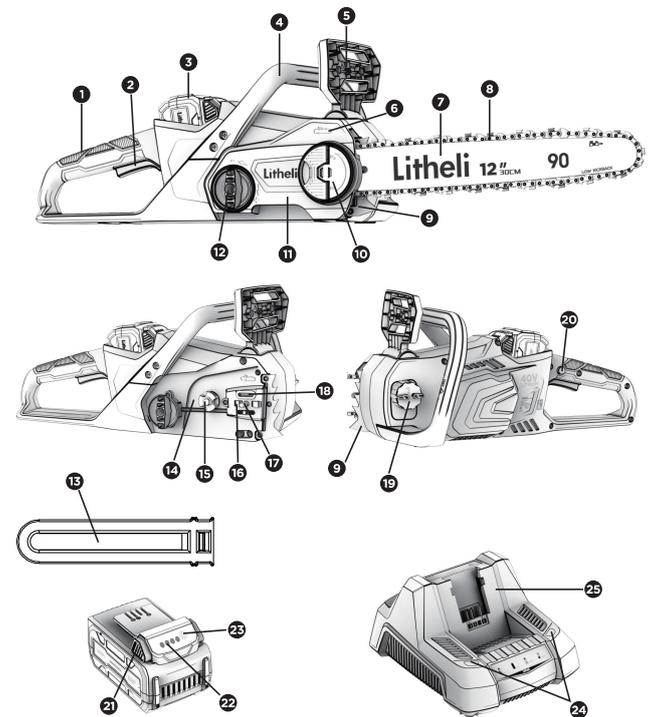
This appliance can be used by children aged from 8 years and above and persons with reduced physical, sensory or mental capabilities or lack of experience and knowledge if they have been given supervision or instruction concerning use of the appliance in a safe way and understand the hazards involved.
 Children shall not play with the appliance. Cleaning and user maintenance shall not be made by children without supervision.
 If the supply cord is damaged, it must be replaced by the manufacturer, its service agent or similarly qualified persons in order to avoid a hazard.

ADDITIONAL SAFETY INSTRUCTIONS FOR YOUR BATTERY CHARGER

- 1. Before charging, read the instructions.
- 2. After charging, disconnect the battery charger from the supply mains. Then remove the chassis connection and then the battery connection.
- 3. Do not charge a leaking battery.
- 4. Do not use chargers for works other than those for which they are designed.
- 5. Before charging, ensure your charger is matching the local AC supply.
- 6. For indoor use, or do not expose to rain.
- 7. The charging device must be protected from moisture.
- 8. Do not use the charging device in the open.
- 9. Do not short out the contacts of battery or charger.
- 10. Respect the polarity "+/-" when charging.
- 11. Do not open the unit and keep out of the reach of children.
- 12. Do not charge the batteries of other manufactures or ill-suited models .

- 13. Ensure that the connection between the battery charger and battery is correctly positioned and is not obstructed by foreign bodies.
- 14. Keep battery charger's slots are free of foreign objects and protect against dirt and humidity. Store in a dry and frost-free place.
- 15. When charging batteries, ensure that the battery charger is in a well-ventilated area and away from inflammable materials. Batteries can get hot during charging. Do not overcharge any batteries. Ensure that batteries and chargers are not left unsupervised during charging.
- 16. Do not recharge non-rechargeable batteries, as they can overheat and break.
- 17. Longer life and better performance can be obtained if the battery pack is charged when the air temperature is between 18°C and 24°C. Do not charge the battery pack in air temperatures below 0°C, or above 40°C. This is important as it can prevent serious damage to the battery pack.
- 18. Charge only battery pack of the same model provided by Litheli and of models recommended by Litheli.

KNOW YOUR TOOL



- | | | |
|---------------------------------|------------------------------|-----------------------------------|
| 1. Rear Handle | 10. Chain Cover Locking Knob | 19. Oil Tank Cap |
| 2. On/off Switch | 11. Chain Cover | 20. Lock-off Button |
| 3. Battery Pack | 12. Chain Tensioning Knob | 21. Battery Pack Release Button |
| 4. Front Handle | 13. Transportation Cover | 22. Battery Power Indicator Light |
| 5. Chain Brake Lever/hand Guard | 14. Bar Pad | 23. Battery Power Button |
| 6. Chain Direction Symbol | 15. Drive Sprocket | 24. Charger LED Light |
| 7. Guide Bar | 16. Bar Locating Tabs | 25. Charger |
| 8. Chain | 17. Fastening Bar Rod | 26. Bar Tensioning Plate (Fig. 2) |
| 9. Bumper Spike | 18. Oil Outlet | |

TECHNICAL DATA

SKU No.	UICS12042
Model No.	D06002600
Voltage	40V 
Bar length	12" (305mm)
Chain speed	8m/s
Oil tank capacity	120ml
Chain pitch	3/8" (9.5mm)
Number of chain drive links	45
Chain gauge	1.1mm
Machine weight (Without battery)	3.6kg
Battery pack	2.0Ah Li-ion (D01101105)
Charger	3A Charger (D02102100)
Charger Rating	Input: 200-240V-50-60Hz Output: 36V D.C., 3.6A
Charging Time (Approx.)	40mins

ACCESSORIES

Model No.	D06002600
Battery pack (D01101105)	1pc
Charger (D02102100)	1pc
Chain	1pc
Bar	1pc
Transportation cover	1pc

NOISE INFORMATION

A weighted sound pressure Lpa = 89 dB(A)

Kpa = 3.0 dB(A)

A weighted sound power Lwa = 98 dB(A)

Kpa = 3.0 dB(A)



Wear ear protection

VIBRATION INFORMATION

Vibration total values (triax vector sum) determined according to EN 60745:

Vibration emission value a. < 2.5 m/s²

Uncertainty K = 1.5 m/s²

The declared vibration total value and the declared noise emission value have been measured in accordance with a standard test method and may be used for comparing one tool with another. The declared vibration total value and the declared noise emission value may also be used in a preliminary assessment of exposure.

⚠WARNING: The vibration and noise emissions during actual use of the power tool can differ from the declared value depending on the ways in which the tool is used especially what kind of workpiece is processed dependant on the following examples and other variations on how the tool is used:

How the tool is used and the materials being cut or drilled.

The tool being in good condition and well maintained.

The use of the correct accessory for the tool and ensuring it is sharp and in good condition.

The tightness of the grip on the handles and if any anti vibration accessories are used.

And the tool is being used as intended by its design and these instructions.

This tool may cause hand-arm vibration syndrome if its use is not adequately managed.

⚠WARNING: To be accurate, an estimation of exposure level in the actual conditions of use should also take account of all parts of the operating cycle such as the times when the tool is switched off and when it is running idle but not actually doing the job. This may significantly reduce the exposure level over the total working period.

Helping to minimise your vibration exposure risk.

ALWAYS use sharp chisels, drills and blades.

Maintain this tool in accordance with these instructions and keep well lubricated (where appropriate).

If the tool is to be used regularly then invest in anti vibration and noise accessories.

Plan your work schedule to spread any high vibration tool use across a number of days.

CHARGING YOUR BATTERY

BATTERY INDICATOR

The battery pack is equipped with a push button for checking the charge level. Simply press the push button to read off the battery charge level from the LEDs of the battery indicator:

LED Indicator	Battery Charge Level/Working Conditions
4 lights on	80% < Charge Level ≤ 100%
3 lights on	50% < Charge Level ≤ 80%
2 lights on	5% < Charge Level ≤ 50%
1 light on	0% < Charge Level ≤ 5%

⚠ WARNING: Do not use the charger outdoors or expose it to wet or damp conditions. Water entering the charger will increase the risk of electric shock.

NOTICE: Lithium-ion battery packs are shipped partially charged. Before using it the first time, fully charge the battery pack.

- Connect the charger to the power supply (200-240V-50-60Hz). The green charger LED light will flash, indicating that the charger is working correctly.
- Align the raised ribs of the battery pack with the mounting slots in the charger; slide the battery pack onto the charger.
- When the battery pack is inserted properly, the red charger LED light will illuminate to indicate that the battery is charging. The green charger LED will turn off.
- When the battery pack is fully charged, the green charger LED light will illuminate continuously. The red charger LED light will turn off. Disconnect the charger from the power supply and remove the battery pack from the charger.



NOTICE:

- The battery pack will fully charge if left on the charger, but it will not overcharge. If the battery pack remains on the charger for one month or more, it will perform self-maintenance and drop to less charge capacity. If this occurs, reinstall the battery pack on the charger to recharge it fully.
- A significantly reduced run time after fully charging the battery pack indicates that the batteries are near the end of their usable life and must be replaced.
- The charger may warm during charging. This is part of the normal operation of the charger. Charge in a well-ventilated area.

CHARGER LED INDICATOR TABLE

Use the table below to determine charger light patterns and possible causes. For all other issues, contact Litheli Customer Service.

Indication	Possible Reason
Red Light – Off Green Light – Flashes	No load charging – There's no battery inserted in the charger.
Red Light – On Green Light – Off	Normal charging – The battery is being charged.
Red Light – Off Green Light – On	Fully charged – The battery is fully charged and the charging process is finished.
Red Light – Flashes Green Light – Flashes	Abnormal performance – Something is wrong with the battery or the charger. Contact Litheli Customer Service.
Red Light – On Green Light – On	Temperature abnormal – Charging process stopped and will restart when battery returns to normal temperature.

ASSEMBLY

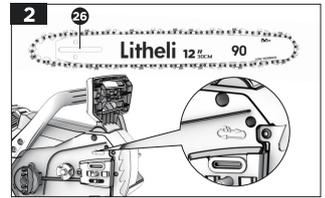
⚠ WARNING: To prevent accidental starting that could cause serious personal injury, always remove the battery pack from the tool when assembling parts.

⚠ WARNING: Do not attempt to modify this tool or create accessories not recommended for use with this tool. Any such alteration or modification is misuse and could result in a hazardous condition leading to serious injury.

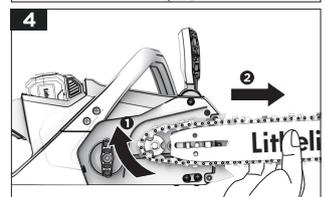
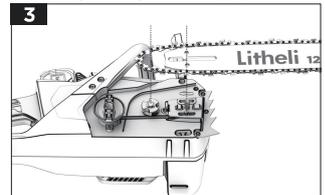
⚠ WARNING: Do not attempt to start the tool before it has been completely assembled.

⚠ WARNING: Always wear heavy-duty work gloves when handling the saw chain.

- Place the chainsaw on a solid, level surface.
- Use only the listed or recommended chain for assembly.
- Slide the chain in the slot around the guide bar. Ensure the chain is in correct running direction by comparing it to the chain icon on the guide bar, or referring to the chain direction symbol found on the saw body. Ensure the bar tensioning plate is facing outward. (Fig. 2)



- Fit the chain onto the drive sprocket, so that the fastening bar hole and the two bar locating tabs on the bar pad fit into the keyway of the opening on the guide bar. (Fig. 3, 4)



- Assure all parts are seated properly and hold chain and guide bar in a level position. Make sure the drive links are fully seated in the drive sprocket (Fig. 5), avoiding a kink as shown in Fig. 6. If kink occurs, pick up on the chain at the guide bar just ahead of the kink and then pull the kink out.

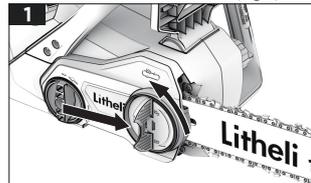
UNPACKING

- This product requires assembly.
- Remove all the items from the carton. Make sure that all items listed in the parts list are included.
- Inspect the product carefully to make sure that no breakage or damage occurred during shipping.
- Do not discard the packing material until you have carefully inspected and satisfactorily operated the tool.
- If any parts are damaged or missing, please return the tool to the place of purchase.

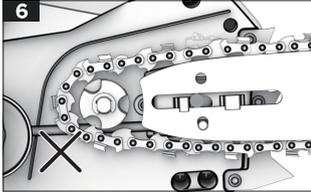
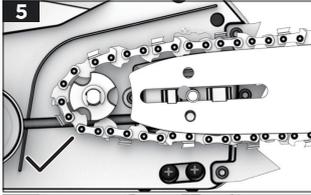
BAR AND CHAIN ASSEMBLY

NOTICE: Before first use: Soak saw chain in bar and chain oil (purchased by yourself) overnight.

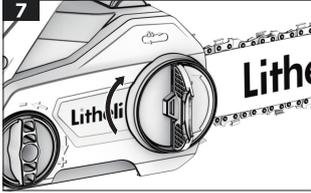
- Unpack all parts carefully. Remove the chain cover by turning the chain cover locking knob in a counterclockwise direction. (Fig. 1)



NOTE: Chain should rotate freely and be free of kinks.



9. Fit the chain cover and tighten the chain cover locking knob by turning the chain cover knob clockwise until it is tight. (Fig. 7)



⚠WARNING: The chain is not yet tensioned. Tensioning the chain applies as described under "TENSIONING CHAIN". The chain now needs to be checked for tension first.

CHECKING SAW CHAIN TENSION

⚠WARNING: Removing the battery pack before checking chain tension.

- a. While wearing heavy-duty gloves, use your index finger and thumb to carefully grab the saw chain in the middle section under the guide bar.

- b. Pull the chain away from the guide bar. (Fig. 8)
- c. The chain should snap back against the guide bar. The chain should fit snugly in the groove of the guide bar, yet you should still be able to slide the chain along the guide bar by hand.
- d. There should be no sagging between the guide bar and chain on the underside of the guide bar.



TENSIONING CHAIN (Fig. 9)

NOTE: New saw chains will stretch. Check the chain tension frequently when first used and tighten when the chain becomes loose around the guide bar.

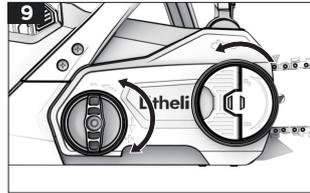
⚠WARNING:

- Removing the battery pack before adjusting saw chain tension.
- Cutting edges on chain are sharp. Use protective gloves when handling chain.
- Maintain proper chain tension always. A loose chain will increase the risk of kickback. A loose chain may jump out of guide bar groove. This may injure operator and damage chain. A loose chain will cause chain, bar, and sprocket to wear rapidly.

- a. Place the chainsaw on any suitable flat surface.
- b. Loosen the chain cover locking knob by turning it counter-clockwise.
- c. Turn the chain tensioning knob clockwise to increase chain tension. If you need to decrease the chain tension, turn the chain tensioning knob counter-clockwise.
- d. Fully tighten the chain cover locking knob by turning it clockwise.
- e. Double check the tension following the steps above in chapter CHECKING SAW CHAIN TENSION.

NOTE: The chain is properly tensioned when it can be lifted off of the Guide Bar and the driveline is within the rail of the Guide Bar.

NOTE: The chain will stretch while cutting and lose proper tension. Always pay attention to the chain tension while working.



⚠IMPORTANT: To allow venting of the oil tank, small breather channels are provided between the oil tank cap and the strainer, to prevent leakage, and ensure machine is left in a horizontal position when not in use. It is important to use only the recommended standard bar and chain oil (Grade: ISO XXXX) to avoid damage to the chainsaw. This can be found at the location where you purchased this saw or your local hardware store. Never use recycled/old oil. Use of non approved oil will void the warranty. Do not swallow. If swallowed, call a physician immediately. Keep out of reach of children. Store away from heat or open flame.

LUBRICATION (Fig. 10)

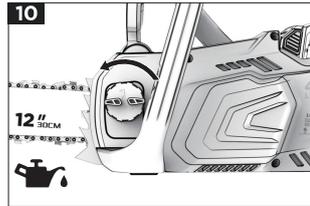
⚠IMPORTANT: The chainsaw is not filled with oil. It is essential to fill with oil before use. Never operate the chainsaw without chain oil or at an empty oil tank level, as this will result in extensive damage to the product.

NOTE: Chain life and cutting capacity depend on optimum lubrication. Therefore, the chain is automatically oiled during operation.

FILLING OIL TANK:

⚠WARNING: Removing the battery pack before filling the oil tank.

- a. Set chainsaw on any suitable surface with oil tank cap facing upward.
- b. Clean area around the oil tank cap with cloth and unscrew the cap by turning it counter-clockwise.



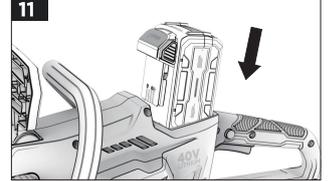
- c. Add bar and chain oil until tank is full.
- d. Avoid dirt or debris entering oil tank, refit the oil tank cap and tighten by turning clockwise until hand tight.

INSTALLING OR REMOVING THE BATTERY PACK

To install:

Slide the battery pack into the port in front of the handle. Push to the end with a sufficient force until the battery pack clicks to lock in place. (Fig. 11)

NOTE: The battery can only be installed in one way.



To remove:

Depress the battery pack release buttons at both side and hold them, then pull the battery pack out from the port. (Fig. 12)



OPERATION

INTENDED USE

The chainsaw is intended for sawing of trees, tree trunks, branches, wooden beams, planks, etc. Cuts can be sawed with or across the grain. This product is not suitable for sawing mineral materials.

⚠ WARNING: Do not allow familiarity with this product to make you careless. Remember that a careless fraction of a second is sufficient to inflict serious injury.

⚠ WARNING: To avoid serious injury and property damage, inspect the area before using the blower. Remove all hard objects from work area. Do not blow debris in the direction of people, animals or property. Use both hands when operating blower.

⚠ WARNING: Do not use any attachments or accessories not recommended by the manufacturer of this product. The use of attachments or accessories not recommended can result in serious personal injury.

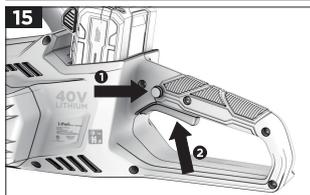
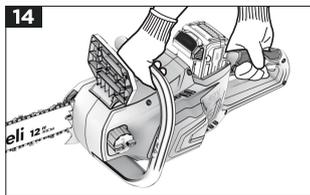
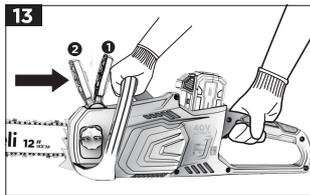
STARTING/STOPPING THE CHAINSAW

To turn on the chainsaw:

ATTENTION: Check the battery packs before using your cordless tool. Only use the battery pack listed in the accessories section.

- Check the chain brake lever is in position ① (deactivated position). (Fig. 13) If not, pull the chain brake lever back towards the operator.
- Firmly grasp the rear handle with your right hand and grasp the front handle with your left hand. (Fig. 14)
- Press the lock-off button, then fully press the on/off switch and hold in this position. With the chainsaw running, the lock-off button can be released. (Fig. 15)

NOTICE: The chain brake lever must be deactivated in order for the saw to be switched on.



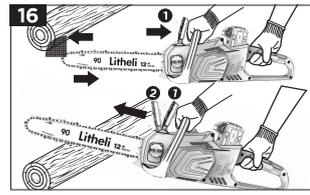
To stop the chainsaw:

For switching off, release the on/off switch.

CHAIN BRAKE LEVER (Fig. 16)

The chainsaw stops immediately when the chain brake lever is activated. To activate the chain lever if the kickback occurs: Push the chain brake lever/hand guard forward (position ②) to deactivate chain brake. To deactivate the chain brake, pull the chain brake lever/hand guard back towards the operator (position ①).

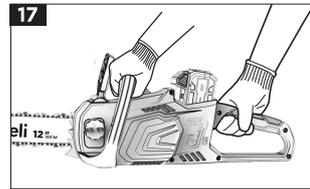
NOTICE: If the saw is unable to start, even though it is assembled properly and working with fully charged battery packs, then you should check if the chain brake lever is in the correct position (position ①).



CUTTING INSTRUCTIONS

IMPORTANT: Is the oil level is low. Check recent replaced chain tension about every 10 minutes during operation.

- Installing the battery pack into the machine.
- Make sure section of log to be cut is not laying on the ground. This will keep the chain from touching the ground as it cuts through the log. Touching the ground while the chain is moving is dangerous and will dull the chain.
- Use both hands to grip saw. Always use left hand to grip front handle and right hand to grip rear handle. Use a firm grip. Thumbs and fingers must wrap around saw handles. (Fig. 17)



- Make sure your footing is firm. Keep feet-shoulder width apart. Distribute your weight evenly on both feet.
- When ready to make a cut, push the lock-out button completely in with the right thumb and squeeze the trigger. This will turn saw on. Releasing the trigger will turn the saw off. Make sure the saw is running at full speed before starting a cut.
- When starting a cut, slowly place moving chain against the wood. The wood should be as close to the saw body as possible. Hold saw firmly in place to avoid possible bouncing or skating (sideways movement) of saw.
- Guide the saw using light pressure and do not put excessive force on the saw, letting the saw

do its work. The motor will overload and can burn out. It will do the job better and safer at the rate for which it was intended.

- Remove the saw from a cut with the saw running at full speed. Stop the saw by releasing the on/off switch. Make sure the chain has stopped before setting the saw down.
- Keep practicing on scrap logs in a secure working area until you are comfortable, using a fluid motion and a steady cutting rate.

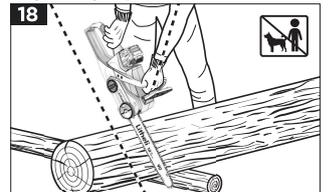
Kickback Safety Devices On This Saw

This saw has a low-kickback chain and reduced kickback Guide Bar. Both items reduce the chance of kickback. However, kickback can still occur with this saw.

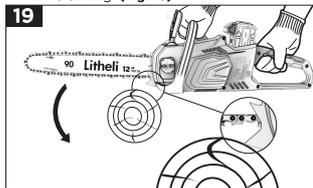
- The following steps will reduce the risk of kickback.
- Use both hands to grip saw while saw is running. Use firm grip. Thumbs and fingers must wrap around saw handles.
 - Keep all safety items in place on saw. Make sure they work properly.
 - Do not overreach or cut above shoulder height.
 - Keep solid footing and balance at all times.
 - Stand slightly to the left side of saw. This keeps your body from being in direct line with chain.
 - Do not let Guide Bar nose touch anything when chain is moving.
 - Never try cutting through two logs at same time. Only cut one log at a time.
 - Do not bury the Guide Bar nose or try plunge cut (boring into wood using guide bar nose).
 - Watch for shifting of wood or other forces that may pinch chain.
 - Use extreme caution when reentering a previous cut.
 - Use only the low-kickback chain and guide bar that were supplied with this chainsaw or recommended.
 - Never use a dull or loose chain. Keep chain sharp with proper tension.

How to use Saw Safely

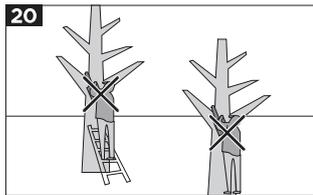
- Use the chainsaw only with secure footing.
- Hold the chainsaw at the right-hand side of your body. (Fig. 18)



- c. The chain must be running at full speed before it makes contact with the wood.
- d. Use the bumper spikes to secure the saw onto the wood before starting to cut.
- e. Use the Bumper Spikes as a leverage point while cutting. (Fig. 19)



- f. Do not operate the chainsaw with arms fully extended, attempt to saw areas which are difficult to reach, or stand on a ladder while sawing. (Fig. 20)

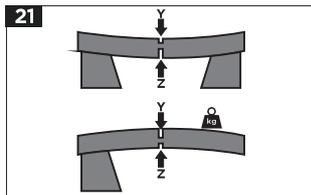


⚠ WARNING: Never use the chainsaw above shoulder height.

Cutting wood under tension (Fig. 21)

⚠ WARNING: When cutting a limb that is under tension, use extreme caution. Be alert for wood springing back. When wood tension is released, limb could spring back and strike operator causing severe injury or death.

When sawing logs supported on both ends, start the cut from above (Y) about 1/3 of the diameter into the log (overbuck) and then finish the cut (Z) from below, in order to avoid contact of the chainsaw with the ground. When sawing logs supported on only one end, start the cut from below (Y) about 1/3 of the diameter into the log (underbuck) and finish the cut from above (Z) in order to avoid log splitting or jamming of the chainsaw.



MAINTENANCE

⚠ WARNING: When servicing, use only identical 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: To prevent serious personal injury, remove the battery pack from the tool before servicing, cleaning, changing add-on attachments or removing material from the unit.

⚠ WARNING: For the user's safety, worn or damaged parts must be replaced. Replace with original replacement parts only.

⚠ WARNING: To prevent serious injury from appliance failure, do not use damaged equipment. If abnormal noise or vibration occurs, have the problem corrected before further use.

GENERAL MAINTENANCE TIPS

- a. Do not attempt to repair the machine unless you have the proper tools and instructions for disassembly and repair of the machine.
- b. Check bolts, screws and fasteners at frequent intervals for proper tightness to ensure that the machine is in safe working condition.
- c. BEFORE EACH USE, inspect the general condition of the appliance. Check for:
 - Loose hardware,
 - Misalignment or binding of moving parts,
 - Cracked or broken parts, and any other condition that may affect its safe operation.

CLEANING

Regular cleaning and maintenance of your chainsaw will ensure efficiency and prolong the life of the product.

- After each use, wipe external surfaces of the appliance with clean damp cloth and mild soap.
- Never wet or spray water on the machine.
- Do not use any detergents or solvents as these could cause irreparable damage to the chainsaw. Chemicals can destroy the plastic parts.

Saw Maintenance

Follow maintenance instructions in this manual. Proper cleaning of saw and chain and Guide Bar maintenance can reduce chances of kickback. Inspect and maintain saw after each use. This will increase the service life of your saw.

NOTE: Even with proper sharpening, risk of kickback can increase with each sharpening.

Maintenance And Storage Of Chainsaw

- a. Remove the battery pack.
 - When not in use.
 - Before moving from one place to another.
 - Before servicing.
 - Before changing accessories or attachments, such as saw chain and guard.
- b. Inspect chainsaw before and after each use. Check saw closely if guard or other part has been damaged. Check for any damage that may affect operator safety or operation of saw. Check for alignment or binding of moving parts. Check for broken or damaged parts. Do not use chainsaw if damage affects safety or operation. Have damage repaired by authorized service center.
- c. Maintain chainsaw with care.
 - Never expose saw to rain or direct moisture.
 - Keep chain sharp, clean, and lubricated for better and safer performance.
 - Follow steps outlined in this manual to sharpen chain.
 - Keep handles dry, clean, and free of oil and grease.
 - Keep all screws and nuts tight.
- d. When servicing, use only identical replacement parts.
- e. When not in use, always store chainsaw.
 - In a high or locked place, out of children's reach.
 - In a dry place.
 - With transportation cover in place.

Bar Maintenance

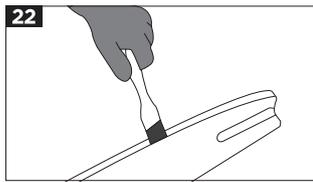
To maximize bar life, the following bar maintenance is recommended.

The bar rails that carry the chain should be cleaned before storing the tool or if the bar or chain appear to be dirty.

The rails should be cleaned every time the chain is removed.

To clean the Bar rails:

- a. Remove chain cover and bar and chain. (see section BAR AND CHAIN ASSEMBLY)
- b. Using a wire brush, screwdriver or similar tool, clear the residue from the inner groove of the bar. (Fig. 22)



22 c. Make sure to clean oil passages thoroughly.

Conditions which require chain and guide bar maintenance:

- Saw cuts to one side or at an angle.
 - Saw has to be forced through the cut.
 - Inadequate supply of oil to the bar and chain.
- Check the condition of the guide bar each time the chain is sharpened. A worn guide bar will damage the chain and make cutting difficult. After each use, remove the battery pack, clean all sawdust from the guide bar and sprocket hole. When rail top is uneven, use a flat file to restore square edges and sides.



Worn Groove **Correct Groove**
 Replace the guide bar when the groove is worn, the guide bar is bent or cracked, or when excess heating or burring of the rails occurs. If replacement is necessary, use only the guide bar specified for your saw in the repair parts list.

Replacing Bar & Chain

Replace chain when cutters are too worn to sharpen or when chain stops. Only use replacement chain noted in this manual. Inspect guide bar before sharpening chain. A worn or damaged guide bar is unsafe. A worn or damaged guide bar will damage chain. It will also make cutting harder.

Sharpening Saw Chain

⚠WARNING: Remove the battery pack before servicing. Severe injury or death could occur from electrical shock or body contact with moving chain. Cutting edges on chain are sharp. Use protective gloves when handling chain.

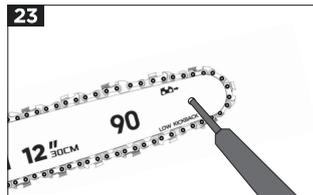
Keep chain sharp. Your saw will cut faster and more safely. A dull chain will cause undue sprocket, Guide Bar, chain, and motor wear. If you must force chain into wood and cutting creates only sawdust with few large chips, chain is dull.

Lubricate Sprocket

⚠WARNING: Wear heavy duty gloves when performing any maintenance or service to this tool. Always remove the battery pack before performing any service or maintenance on this tool.

NOTICE: It is not necessary to remove the chain or bar when lubricating the guide bar sprocket.

- a. Clean the bar and sprocket.
- b. Using a grease gun, insert the tip of the gun into the lubrication hole and inject grease until it appears at the outside edge of the sprocket tip. (Fig. 23)



23 c. To rotate the sprocket pull the chain by hand until the ungreased side of the sprocket is in line with the grease hole. Repeat the lubrication procedure.

STORAGE

- a. Examine the cordless chainsaw thoroughly for worn, loose or damaged parts. Should you need to repair or replace a part, contact Litheli Customer Service for assistance.
- b. Remove the battery. Allow the motor to cool and clean the chainsaw before storing.
- c. Store the cordless chainsaw indoors in a locked, dry, well-ventilated place out of the reach of children to prevent unauthorized use or damage.

TROUBLESHOOTING

⚠WARNING: Switch off the machine and remove the battery packs prior to any troubleshooting.

Problem	Possible Cause	Solution
Motor does not start.	Battery not installed well.	Check the battery is fully inserted.
	Battery depleted.	Charge the battery.
	Battery too cold.	Remove battery from the machine. Place battery on charger and allow to charge for 10 minutes. Remove from charger and install in the machine for use.
	On/off switch defective.	Contact the service center for replacing.
Chainsaw operates intermittently.	Over heating.	Place the machine in a cool, ventilated place to cool it down.
	Applying too much pressure while cutting.	Applying relatively less pressure while cutting.
	Loose connection.	Contact service center.
	Internal wiring defective.	Contact service center.
Dry chain.	On/Off switch defective.	Contact service center.
	No oil in reservoir.	Refill oil.
	Vent in oil tank cap clogged.	Clean cap.
Chain brake lever not work.	Oil passage clogged.	Clean oil passage outlet.
	Chain brake lever damaged.	Contact service center.
	No oil in reservoir.	Refill oil.
Chain/chain bar overheats.	Vent in oil tank cap clogged.	Clean cap.
	Oil passage clogged.	Clean oil passage outlet.
	Chain is over tensioned.	Adjust chain tension.
	Dull chain.	Sharpen chain or replace.
Chainsaw rips, vibrates, does not saw properly.	Chain tension too loose.	Adjust chain tension.
	Dull chain.	Sharpen chain or replace.
	Chain worn out.	Replace chain.
	Chain teeth are facing in the wrong direction.	Reassemble with chain in correct direction.

ENVIRONMENTAL PROTECTION



Waste electrical products must not be disposed of with household waste. Please recycle where facilities exist. Check with your local authorities or retailer for recycling advice.

PLUG REPLACEMENT (UK & IRELAND ONLY)

If you need to replace the fitted plug then follow the instructions below.

IMPORTANT

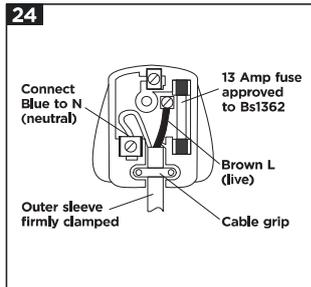
The wires in the mains lead are colored in accordance with the following code:

Blue – Neutral
Brown – Live

As the colors of the wires in the mains lead of this appliance may not correspond with the coloured markings identifying the terminals in your plug, proceed as follows. The wire which is coloured blue must be connected to the terminal which is marked with N. The wire which is coloured brown must be connected to the terminal which is marked with L.

▲WARNING: Never connect live or neutral wires to the earth terminal of the plug. Only fit an approved BS1363/A plug and the correct rated fuse.

NOTE: If a moulded plug is fitted and has to be removed take great care in disposing of the plug and severed cable, it must be destroyed to prevent engaging into a socket.



DECLARATION OF CONFORMITY

We, Zhejiang Lera New Energy Power Technology Co., Ltd. 255 Kesheng Road, Haishu Wangchun Industrial Park Ningbo City, Zhejiang Province P. R. China

Declare that the product
Description **Cordless chainsaw**
Model No. **D06002600**
Function **Cutting wood**
SKU No. **UICS12042**

Complies with the following regulations:
2006/42/EC, 2014/30/EU, 2011/65/EU, 2000/14/EC amended by 2005/88/EC

The notified body involved
Name: Intertek Deutschland GmbH (Notified body 0905)
Address: Stangenstraße 1, 70771 Leinfelden-Echterdingen
Certification No: 20SHW0418-01

2000/14/EC amended by 2005/88/EC

- Conformity Assessment Procedure as per **Annex V**
- Measured Sound Power Level **94,3 dB(A)**
- Declared Guaranteed Sound Power Level **98 dB(A)**

Standards conform to:
EN 60745-1, EN 60745-2-13, EN ISO 3744,

EN 55014-1, EN 55014-2

The person authorized to compile the technical file:
Name **XU ZHOU**
Address **CET PRODUCT SERVICE LTD,
Chase Business Centre, 39-41 Chase
Side, London N14 5BP United Kingdom**

signature



2021/06/09
Chang Xiaojun
Director of Quality Dept.
Zhejiang Lera New Energy Power Technology Co., Ltd.
255 Kesheng Road, Haishu Wangchun Industrial Park
Ningbo City, Zhejiang Province
P. R. China

UICS12042

WARRANTY

Litheli WARRANTY POLICY

- 5-year limited warranty on Litheli outdoor power equipment and power tools for personal, household use.
- 3-year limited warranty on Litheli battery packs and chargers for personal, household use.

Please contact Litheli customer service at service@litheli.com any time you have questions or warranty claims.

LIMITED WARRANTY SERVICE

FOR FIVE YEARS from the date of original retail purchase, this Litheli outdoor power equipment and power tools are warranted against defects in material or workmanship. Defective product will receive free repair or will be exchanged.

FOR THREE YEAR from the date of original retail purchase, the Litheli battery pack and charger are warranted against defects in material or workmanship.

Defective product will receive free repair or exchanged.

1. This warranty applies only to the original purchaser from an authorized Litheli shop and may not be transferred.
2. The warranty period for any Litheli product, battery pack and charger used for residential only.
3. The warranty period for routine maintenance parts, such as, but not limited to, blades, trimmer heads, chain bars, saw chains, belts, scraper bars, blower nozzles, and all other Litheli accessories is 90 days for residential purpose.
4. This warranty does not cover the damage resulting from modification, alteration or unauthorized repair.
5. This warranty only covers defects arising under normal usage and does not cover any malfunction, failure or defect resulting from misuse, abuse (including overloading of the product beyond capacity and immersion in water or other liquid), accidents, neglect or lack of proper installation, and improper maintenance or storage.
6. 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 discoloring by heat, abrasive and chemical cleaners.

PRODUCT REGISTRATION

Please register your Litheli product at <https://www.litheli.com/pages/register-sr>.

For better warranty services, we recommend that you register the product within 30 days from the date of the original retail purchase.

WARRANTY CLAIM

For warranty claims, please contact Litheli customer service. You will need to submit a registration document or proof of purchase in the form of a valid receipt that displays date and place of purchase. Replacement tools do not come with a new warranty. The original tool's warranty will continue from the original date of purchase.