



You now own a quality product manufactured by ShineMate.

Distributed by:

Warranty Card

Serial No.

DETAILS OF PRODUCT:

Machine _____ Model _____

Voltage _____ Purchase Date _____

Customer name and address _____

Post Code _____



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STATEMENT OF WARRANTY CARD

- (1) This product is guaranteed from defects in material and workmanship, for the detailed guarantee period, subject to your local distributor and legal warranty regulations, effective and evidenced from date of original invoice or delivery note.
- (2) Defects caused by normal wear and tears, unauthorized/improper maintenance/handling or overload are excluded from this guarantee.
- (3) In the event of malfunction within the guarantee period, please return the product UNDISMANTLED to your dealer with the warranty card.
- (4) Your statutory rights in respect of defective products remain unaffected by the warranty.

Supplier:

K&FP Limited
info@shinemate.com
www.ShineMate.com

Manufacturer:

Yongkang Meilong-K&FP Tools Co.,Ltd.
No.218 Meilong Rd., Yongkang, Zhejiang, China

IMPORTANT SAFETY INSTRUCTIONS

WARNING READ AND UNDERSTAND ALL INSTRUCTIONS. Failure to follow all instructions listed below, may result in electric shock, fire and/or serious personal injury.

SAVE THESE INSTRUCTIONS

Work Area Safety

- ▶ Keep work area clean and well lit. Cluttered or dark areas invite accidents.
- ▶ 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.
- ▶ Keep children and bystanders away while operating a power tool. Distractions can cause you to lose control.

Electrical Safety

- ▶ 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.
- ▶ 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.
- ▶ Do not expose power tools to rain or wet conditions. Water entering a power tool will increase the risk of electric shock.

Personal Safety

- ▶ 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 of inattention while operating power tools may result in serious personal injury.
- ▶ Use personal protective equipment. Always wear eye protection. Protective equipment such as a dust mask, non-skid safety shoes, hard hat or hearing protection used for appropriate conditions will reduce personal injuries.
- ▶ Prevent unintentional starting. Ensure the switch is in the off-position before connecting to power source and/or battery pack, picking up or carrying the tool. Carrying power tools with your finger on the switch or energizing power tools that have the switch on invites accidents.
- ▶ Do not overreach. Keep proper footing and balance at all times. This enables better control of the power tool in unexpected situations.
- ▶ Dress properly. Do not wear loose clothing or jewelry. Keep your hair and clothing away from moving parts. Loose clothes, jewelry or long hair can be caught in moving parts.
- ▶ 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.
- ▶ 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

- ▶ Do not overload 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.
- ▶ 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.

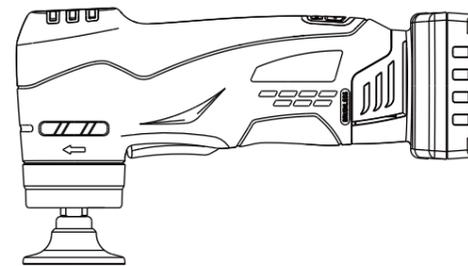
- ▶ Disconnect the plug from the power source and/or the battery pack from the power tool before making any adjustments, changing accessories, or storing power tools. Such preventive safety measures reduce the risk of starting the power tool accidentally.
- ▶ Store idle power tools out of the reach of children and do not anyone who is unfamiliar with the power tool or these instructions to operate the power tool. Power tools are dangerous in the hands of untrained users.
- ▶ Maintain power tools. 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.
- ▶ Keep cutting tools sharp and clean. Properly maintained cutting tools with sharp cutting edges are less likely to bind and are easier to control.
- ▶ 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.
- ▶ 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.

Safety Rules For Battery Pack And Charger

- ▶ Important safety and operating instructions for your battery and charger.
- ▶ Before using the charger, read all instructions and warnings on the charger, the battery pack and the tool.
- ▶ If the battery pack casing is cracked or damaged, do not insert into charger. There is a danger of electric shock or electrocution.
- ▶ Do not allow any liquid to get inside charger. Electric shock may result.
- ▶ This charger is not intended for any uses other than charging rechargeable batteries.
- ▶ Do not place any object on top of the charger, near any heat source or place the charger on a soft surface that may result in excessive internal heat.
- ▶ Make sure the cord is located so it will not be stepped on, tripped over, or otherwise subjected to damage or stress.
- ▶ Do not use the charger if it has received a sharp blow, been dropped or otherwise damaged in any way.
- ▶ Do not store or use the tool and battery pack in locations where the temperature may reach or exceed 40°C (112°F).
- ▶ The charger is designed to operate on standard household electrical power (100-240 VAC). Do not attempt to use it on any other voltage.
- ▶ 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.
- ▶ 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.



OPERATOR'S MANUAL MANUAL del OPERADOR 用户使用说明书



EB202A

Cordless Grinder & Sander



WARNING
ADVERTENCIA
警告

To reduce the risk of injury, user must read and understand operator's manual.
Para reducir el riesgo de lesiones, el usuario debe leer y entender el manual.
为了降低受伤风险, 用户必须阅读并理解使用说明书

- ▶ Use power tools only with specifically designated battery packs. Use of any other battery packs may create a risk of injury and fire.
- ▶ When battery pack is not in use, keep it away from other metal objects, like paperclips, 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.
- ▶ 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.
- ▶ Never attempt to open the battery pack for any reason. If the plastic housing of the battery pack breaks or cracks, immediately discontinue use and do not recharge.

Additional Safety Warnings

- ▶ Always ensure that the work piece to be sanded is firmly fixed in place.
- ▶ Always remove battery during any transportation of the tool.
- ▶ Do not allow the tool to free speed without taking precautions to protect surrounding people and objects in the event that the abrasive or backing pad should come loose.
- ▶ Read all instructions before using this tool. All operators must be fully trained in the proper, safe use of this tool.
- ▶ All maintenance must be carried out by trained personnel. For service, contact a ShineMate authorized service center.
- ▶ If the tool appears to malfunction, stop using it immediately and arrange for service and repair.
- ▶ Before changing the accessories always disconnect the power source.
- ▶ Never carry, store or leave the tool unattended with the power source connected.
- ▶ Keep hands clear of the spinning pad during use.
- ▶ Always wear required personal safety protection in accordance with manufacturer's instructions and local/national standards while using this tool.
- ▶ If any physical hand/wrist discomfort is experienced, stop working and seek medical attention. Hand, wrist and arm injury may result from repetitive work, motion and overexposure to vibrations. Read and comply with state and local regulations.

Safety Warnings Common For Grinding Operations

- ▶ This power tool is intended to function as a sander or cut-off tool. 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.
- ▶ Operations such as sanding, wire brushing, polishing, drilling or cutting-off are not recommended to be performed with this power tool. Operations for which the power tool was not designed may create a hazard and cause personal injury.
- ▶ Do not use accessories which are not specifically designed and recommended by the tool manufacturer. Just because the accessory can be attached to your power tool, it does not assure safe operation.
- ▶ The rated speed of the grinding accessories must be at least equal to the maximum speed marked on the power tool. Grinding accessories running faster than their rated speed can break and fly apart.
- ▶ The outside diameter and the thickness of your accessory must be within the capacity rating of your

power tool. Incorrectly sized accessories cannot be adequately controlled.

- ▶ The arbour size of wheels, sanding drums or any other accessories must properly fit the spindle or collet of the power tool. Accessories that do not match the mounting hardware of the power tool will run out of balance, vibrate excessively and may cause loss of control.
- ▶ Mandrel mounted wheels, sanding drums, cutters or other accessories must be fully inserted into the collet or chuck. If the mandrel is insufficiently held and/or the overhang of the wheel is too long, the mounted wheel may become loose and be ejected at high velocity.
- ▶ Do not use a damaged accessory. Before each use inspect the accessory such as abrasive wheels for chips and cracks, sanding drums for cracks, tear or excess wear, wire brush for loose or cracked wires. If the power tool or accessory is dropped, inspect for damage or install an undamaged accessory. After inspecting and installing an accessory, position yourself and bystanders away from the plane of the rotating accessory and run the power tool at maximum no-load speed for one minute. Damaged accessories will normally break apart during this test time.
- ▶ Wear personal protective equipment. Depending on the application, use face shield, safety goggles or safety glasses. As appropriate, wear dust mask, hearing protectors, gloves and workshop apron capable of stopping small abrasive or workpiece fragments. The eye protection must be capable of stopping flying debris generated by various operations. The dust mask or respirator must be capable of filtering particles generated by your operation. Prolonged exposure to high intensity noise may cause hearing loss.
- ▶ Keep bystanders a safe distance away from work area. Anyone entering the work area must wear personal protective equipment. Fragments of workpiece or of a broken accessory may fly away and cause injury beyond immediate area of operation.
- ▶ Hold power tool by insulated gripping surfaces only, when performing an operation where the cutting accessory may contact hidden wiring. Cutting accessory contacting a "live" wire may make exposed metal parts of the power tool "live" and could give the operator an electric shock.
- ▶ Always hold the power tool firmly in your hand(s) during the start-up. The reaction torque of the motor, as it accelerates to full speed, can cause the tool to twist.
- ▶ Use clamps to support workpiece whenever practical. Never hold a small workpiece in one hand and the tool in the other hand while in use. Clamping a small workpiece allows you to use your hand(s) to control the tool. Round material such as dowel rods, pipes or tubing have a tendency to roll while being cut, and may cause the bit to bind or jump toward you.
- ▶ Never lay the power tool down until the accessory has come to a complete stop. The spinning accessory may grab the surface and pull the power tool out of your control.
- ▶ After changing the bits or making any adjustments, make sure the collet nut, chuck or any or any other adjustment devices are securely tightened. Loose adjustment devices can unexpectedly shift, causing loss of control, loose rotating components will be violently thrown.
- ▶ Do not run the power tool while carrying it at your side. Accidental contact with the spinning accessory could snag your clothing, pulling the accessory into your body.
- ▶ Regularly clean the power tool's air vents. The motor's fan will draw the dust inside the housing and excessive accumulation of powdered metal may cause electrical hazards.
- ▶ Do not operate the power tool near flammable materials. Sparks could ignite these materials.
- ▶ Do not use accessories that require liquid coolants. Using water or other liquid coolants may result in electrocution or shocks.

▲ Safety Warnings Specific For Grinding And Abrasive Cutting-off Operations

► Use only wheel types that are recommended for your power tool and only for recommended applications. For example: do not grind with the side of a cut-off wheel. Abrasive cut-off wheels are intended for peripheral grinding, side forces applied to these wheels may cause them to shatter.

► For threaded abrasive cones and plugs use only undamaged wheel mandrels with an unrelieved shoulder flange that are of correct size and length. Proper mandrels will reduce the possibility of breakage.

► Do not "jam" a cut-off wheel or apply excessive pressure. Do not attempt to make an excessive depth of cut. Overstressing the wheel increases the loading and susceptibility to twisting or snagging of the wheel in the cut and the possibility of kickback or wheel breakage.

► Do not position your hand in line with and behind the rotating wheel. When the wheel, at the point of operation, is moving away from your hand, the possible kickback may propel the spinning wheel and the power tool directly at you.

► When wheel is pinched, snagged or when interrupting a cut for any reason, switch off the power tool and hold the power tool motionless until the wheel comes to a complete stop. Never attempt to remove the cut-off wheel from the cut while the wheel is in motion otherwise kickback may occur. Investigate and take corrective action to eliminate the cause of wheel pinching or snagging.

► Do not restart the cutting operation in the workpiece. Let the wheel reach full speed and carefully re-enter the cut. The wheel may bind, walk up or kickback if the power tool is restarted in the workpiece.

► Support panels or any oversized workpiece to minimize the risk of wheel pinching and kickback. Large workpieces tend to sag under their own weight. Supports must be placed under the workpiece near the line of cut and near the edge of the workpiece on both sides of the wheel.

► Use extra caution when making a "pocket cut" into existing walls or other blind areas. The protruding wheel may cut gas or water pipes, electrical wiring or objects that can cause kickback.

▲ Kickback And Related Warnings

Kickback is a sudden reaction to a pinched or snagged rotating wheel, backing pad, brush or any other accessory. Pinching or snagging causes rapid stalling of the rotating accessory which in turn causes the uncontrolled power tool to be forced in the direction opposite of the accessory's rotation. For example, if an abrasive wheel is snagged or pinched by the workpiece, the edge of the wheel that is entering into the pinch point can dig into the surface of the material causing the wheel to climb out or kick out. The wheel may either jump toward or away from the operator, depending on direction of the wheel's movement at the point of pinching. Abrasive wheels may also break under these conditions.

Kickback is the result of power tool misuse and/or incorrect operating procedures or conditions and can be avoided by taking proper precautions as given below.

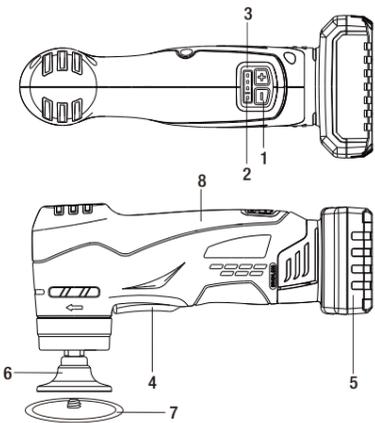
► Maintain a firm grip on the power tool and position your body and arm to allow you to resist kickback forces. The operator can control kickback forces, if proper precautions are taken.

► Use special care when working corners, sharp edges etc. Avoid bouncing and snagging the accessory. Corners, sharp edges or bouncing have a tendency to snag the rotating accessory and cause loss of control or kickback.

exposure time and physical condition.

ShineMate accepts no responsibility for the consequences of using declared values instead of act.

6.PRODUCT STRUCTURE



1. Speed Adjustment Button
2. Battery Indicator Light
3. Speed Level Indicator
4. Switch
5. Battery Pack
6. Backing Plate
7. Sanding disc
8. Soft Grip

7.PROPER USE OF TOOL

► This cordless grinder & sander can be used with roloc discs in grinding and sanding metal, cleaning after welding, surface conditioning, cutting and deburring and paint removal.

► Do not use this sander for any purpose other than its intended use without consulting the manufacturer or authorized supplier.

► Do not use backing plates with a no-load speed less than **15,000 rpm**.

► Any maintenance or repair work requiring the motor housing to be opened may only be carried out by an authorized service center.

How To Get Started

► When unpacking the tool, make sure it is intact, complete and has not been damaged in transport. Never use a damaged tool.

► Before use, check that the backing plate is correctly mounted.

► Install the fully charged battery pack into the machine until it locks in place with a click.

Start/ Stop The Machine

► This tool is intended to be used as a hand held tool.

► Select a suitable abrasive and secure it to the backing plate. Make sure the abrasive is centered on the backing plate.

► Install the battery and the machine will be in sleep state by default. No indicator light is on, and the machine is not powered on. At this time, some buttons are invalid and the speed cannot be adjusted.

► Activate the machine

The machine can be activated through the "switch" or the "speed adjustment button". After the machine is successfully activated, the battery indicator LED lights up,

► Do not attach a toothed saw blade. Such blades create frequent kickback and loss of control.

► Always feed the bit into the material in the same direction as the cutting edge is exiting from the material (which is the same direction as the chips are thrown). Feeding the tool in the wrong direction causes the cutting edge of the bit to climb out of the work and pull the tool in the direction of this feed.

► When using rotary files, cut-off wheels, high-speed cutters or tungsten carbide cutters, always have the work securely clamped. These wheels will grab if they become slightly canted in the groove, and can kickback. When a cut-off wheel grabs, the wheel itself usually breaks. When a rotary file, high-speed cutter or tungsten carbide cutter grabs, it may jump from the groove and you could lose control of the tool.

2.REQUIRED PERSONAL SAFETY EQUIPMENT



Read operator's manual



Wear safety glasses



Wear safety gloves



Wear ear protection



Wear face mask

3.SYMBOLOLOGY



Before switching on the power tool, read the operating manual!



Device is suitable for use indoors only. Store electric power tool and batteries in dry rooms.



There is a risk of electric shock in case of incorrect use.



Only charge batteries at temperatures between 4°C to 40°C. Protect the battery from heat, e.g. from continuous exposure to sunlight and fire.



Do not throw battery pack in the fire. There is a risk of explosion.



Do not expose the battery pack to rain, keep the battery pack away from water.



Recycling raw materials instead of waste disposal. Do not throw the electric power tools into the household waste! Power tools must be collected separately and recycled in an environmentally friendly manner.

and the machine is now powered on and ready for operation; the speed indicator lights up at the same time. In the activated state, regardless of whether the machine is running or not, you can press the "+" or "-" button to adjust the speed.

► Use the "switch" to activate and control the machine

(1) Click once, and the machine enters the activation state;

(2) Double-click (within about 0.3 seconds), the machine will start and keep running; click again to stop;

(3) Press and hold the switch, the machine will keep running, and release it to stop;

(4) In the sleep state, performing step (2) or (3) can directly activate the machine and maintain the corresponding operation;

► Use the "speed adjustment button" to activate the machine. In addition, the machine can be activated directly by "+" or "-" button (speed adjustment button) without touching the switch.

(1) Click any of the "+" and "-" buttons to enter the activation state, at this time the speed can be adjusted;

► **Sleep state**
The machine will automatically enter the sleep state if there is no action for 30 seconds; Besides, you can put the machine into sleep state by long pressing any of the "+" and "-" buttons; When in the sleep state, the battery indicator light will be off.

► In active mode the left LED shows the battery status:

· Green: Sufficient battery charge/light load.

· Yellow: Medium battery charge/medium load.

· Red: Low battery charge/heavy load.

► In active mode the max rpm can be adjusted by the speed adjustment button. The rpm can be adjusted in steps of 8,000, 9,000, 10,000, 12,000, 14,000, and 15,000 rpm.

► Speed memory function. Turn off the machine and start it again, the speed will be kept at the previous shutdown level.

► When sanding, always place the tool on the work surface before starting the tool. Always remove the tool from the work surface before stopping it. This will prevent gouging of the work surface due to excess speed of the abrasive.

► When sanding is finished, press the buttons on both sides of the battery pack and remove it.

Replacing The Backing Plate

1. Use the 10mm open-end wrench provided with the product to fix the output shaft of the machine

2. Turn the backing plate counterclockwise to remove it.

3. Fit and tighten the new backing plate.

▲ WARNING

Always remove the battery before maintenance!
Only use original ShineMate spare parts!

Cleaning

Use a soft brush to remove any accumulated dust. Wear safety glasses to protect your eyes while cleaning. If the body of the tool needs cleaning, wipe it with a soft damp cloth.

▲ WARNING

Never use alcohol, petrol or other cleaning agent. Never use caustic agents to clean plastic parts.

Charger Cleaning Instructions

Dirt and grease may be removed from the exterior of the charger using a cloth or soft non metallic brush. Do not use water or any cleaning solutions.

4.HAZARDOUS SUBSTANCES TABLE

4.1 Hazardous substances table

According to SJ/T 11364-2014 Marking for the restriction of the use of hazardous substances in electrical and electronic product, ShineMate collects and integrates the information of hazardous substances in products, and identifies the information of hazardous substances in products according to the standard.

Parts	Hazardous Substances					
	Pb	Hg	Cd	CR(VI)	PBB	PBDE
Housing	○	○	○	○	○	○
Mechanical Driving Mechanism	×	○	○	○	○	○
Motor Components	×	○	○	○	○	○
Control Components	×	○	○	○	○	○
Accessories	○	○	○	○	○	○
Fittings	○	○	○	○	○	○
Connectors	×	○	○	○	○	○
Power Cord*1	○	○	○	○	○	○
Battery System*2	×	○	○	○	○	○

○: The content of such hazardous substance in all homogeneous materials of such component is below the limit in GB/T 26572

×: The content of such hazardous substance in a certain homogeneous materials of such component is beyond the limit in GB/T 26572. It is very difficult to make the product parts completely free of the above hazardous substances with the existing technical conditions. The design will be improved gradually with the technical progress.

*1: Suitable for products connected with power supply by power cord

*2: Suitable for products powered by rechargeable batteries.

Please refer to the product manual for the conditions of use of the product during the Environmentally Friendly Use Period.

5.TECHNICAL DATA

Model	EB202A
Product	Cordless Grinder & Sander
Voltage	10.8V DC
Motion	Rotation
Speed	8000-15000/min
Thread	1/4"-20
Backing plate	Max. 50mm(2")
Sanding disc	Max. 50mm(2")
Weight*	0.434kg
Dimension	169x116x48.5mm
*Tool only, no accessories or battery pack	

Optional Battery charger

Model	BC121	BC122
Product	Single-Bay Charge	Dual-Bay Charger
Output 1	10.8V DC, 3.0 Amp	10.8V DC, 3.0 Amp
Output 2		10.8V DC, 3.0 Amp
Rated Power	55w	80W
Weight	0.25kg	0.56kg
Charging Time	50-60min(2.5Ah)	50-60min(2.5Ah)
	100-120min(5.0Ah)	100-120min(5.0Ah)
Input	100-240 V~50/60Hz	

*BC122 supports simultaneous charging of two batteries

8.BATTERY AND CHARGER

► First read the safety instructions and then charge your battery according to the instructions.

► For optimal charging capacity the battery should be charged at an ambient temperature between 18°C(64°F) and 24°C(75°F). To prevent damage to the battery pack, do not charge the battery pack where the air temperature is below 4°C(32°F) or above 40°C(104°F).

► To obtain the longest possible battery life, we suggest the following:

· Store and charge your battery in a cool area. Temperatures above or below normal room temperature will shorten battery life.

· Never store the battery in a discharged condition. Recharge it immediately after it has been discharged.

► All batteries gradually lose their charge. The higher the temperature, the quicker they lose their charge.

► If you store your tool for long periods of time without use, recharge the battery every month. This practice will prolong battery life.

Charging Procedure

► Connect the power cord to the charger, and then plug into an outlet before inserting battery pack. All two charging lights will be on for two seconds and then turn off.

► Insert the battery pack into the charger. The charging light will start to flash within 30 seconds.

► During the charging process, the charging light will indicate the status as follows:

· The green charging light will flash during the charging process.

· Fully charged, the green light will remain on continuously.

NOTE! Charging times may be longer depending on the surrounding temperature and battery conditions.

NOTE! This charger can only charge ShineMate 10.8V battery packs.

Charger Diagnostics

The charger will indicate if:

► A battery pack is overheated. All two charging lights will flash. Remove the battery and allow it to cool down for 15-30 minutes and re-insert.

► A malfunction occurs in the battery or the charger. Two charging lights will flash. Remove the battery and allow it to cool down. Re-insert the battery pack into the charger. If two charging lights still flash, the battery or charger may require service.

9.FURTHER SERVICE

► Servicing must always be performed by trained personnel.

► To keep the tool warranty valid and ensure optimal tool safety and function, servicing must be carried out by a ShineMate authorized service centre. To locate your local ShineMate authorized service centre, contact ShineMate Customer Service or your ShineMate dealer.

Disposal Information

► Observe applicable country-specific regulations regarding disposal and recycling of disused machines, packaging and accessories.

► EU only: Do not dispose electric power tools in household waste. According to European Directives on waste electrical and electronic equipment and its implementation under national law, electric tools that have reached the end of their life must be collected separately and taken to an environmentally compatible recycling facility.

10.SERVICE

Warranty Service

(1) During the warranty period, ShineMate will only provide

Optional Battery pack

Model	B1225A	B1250A
Voltage	10.8V DC	10.8V DC
Capacity	2.5 Ah/27.0 Wh	5.0 Ah/54.0 Wh
Weight	0.18kg	0.38kg
Continuous working time	2.5Ah:20min	5.0Ah:40min
Overload protection	Yes	
Type	Rechargeable	

Noise and vibration information

Measured values are determined according to EN 62841.

Model

Sound pressure level (L_{PA})

Sound power level (L_{WA})

Sound measurement uncertainty K

Vibration emission value ah*

Vibration emission uncertainty K

Specifications subject to change without prior notice.

Model range may vary between markets.

*The values stated in the table are derived from laboratory testing in conformity with stated codes and standards and are not sufficient for risk evaluation. Values measured in a particular work place may be higher than the declared ual exposure values for any individual risk assessment values.

The actual exposure values and amount of risk or harm experienced by an individual are unique to each situation and depend upon the surrounding environment, the way the individual operates the machinery, the particular material being worked, work station design and the user's

free repairs for faults caused by material defects or workmanship problems of the product. The user must present the purchase receipt and warranty card when requesting warranty, and at the same time state the full model name, body code, purchase date of the product. At the same time, provide the whole machine and the accessories used for warranty, and verify it by the authorized repair center, otherwise it will not have the right to warranty.

(2) The following consumable parts are not covered by the warranty due to natural wear and tear in use:

► Worn during use: bearing, bushing, gear, handle, shell, hose, hanger, hook, etc.;

► Consumable parts: power cord, plug, cable sheath, handle, housing, polishing pads, backing plate of sander, etc.

(3) The following are not covered under warranty:

· Failure to present a valid warranty card and proof of purchase, or the information on the warranty card does not match the physical object.

· Damage caused by failure to use, maintain and store the product in accordance with the instructions for use.

· Damage caused by dropping, water ingress, etc., due to improper use, storage or transportation.

· Damage caused by failure to use original ShineMate parts or recommended accessories and lubricants.

· The user disassembles, or causes damage by repairing, rebuilding, disassembling, or maintaining in non-ShineMate authorized service points.

· Damage caused by forcing the brakes or exerting excessive pressure on power tools when they are operated at high speed.

· The power tool is started without reaching a constant speed or not completely stopped, then use it to work or change the function resulting in damage.

· Working in dusty or humid environments for long periods of time without timely maintenance due to the entry of foreign objects.

· Battery damage caused by frequent under-charging or under-discharging of the battery or by being hit or changing the charger plug on its own.

(4) ShineMate reserves the right to modify the above terms and conditions at any time without notice, and has the final interpretation of the above warranty terms.

Visit the official website www.ShineMate.com for the latest product information.

11.EXEMPTION FROM LIABILITY

The manufacturer and his representative are not liable for any damage and lost profit due to interruption in business caused by the product or by an unusable product.

The manufacturer and his representative are not liable for any damage which was caused by improper use of the power tool or by use of the power tool with products from other manufacturers.

CE-DECLARATION OF CONFORMITY

We declare under our sole responsibility that the product described under "Technical Data" conforms to the following standards or normative documents:

EN 62841-1, EN 62841-2-3,
EN IEC 55014-1, EN IEC 55014-2,
2006/42/EC, 2014/30/EU

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