



20V LI-ION CORDLESS
OSCILLATING
2.0Ah MULTI-TOOL

OWNER'S MANUAL



DO NOT RETURN TO STORE!

PT26M20K



WARNING! To Reduce The Risk Of Injury, User
Must Read And Understand Instruction Manual.

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WARNING! READ AND CALL SAFETY PRECAUTIONS IN THIS MANUAL BEFORE OPERATION. FAILURE TO COMPLY WITH INSTRUCTIONS IN THIS MANUAL COULD RESULT IN PERSONAL INJURY, PROPERTY DAMAGE, AND/OR VOIDING OF YOUR WARRANTY. PULSAR PRODUCTS, INC. WILL NOT BE LIABLE FOR ANY DAMAGE BECAUSE OF FAILURE TO FOLLOW THESE INSTRUCTIONS.

20V Li-ion Cordless Oscillating Multi-tool

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1. SYMBOL EXPLANATION



Warning!



Read the Instruction manual!



Wear eye protection!



Wear protection gloves!



This product conforms the protection class II.



Always wear hearing protection at work.



Always wear a dust mask when working.

2. SAFETY INSTRUCTIONS

General Power Tool Safety Warnings



WARNING! READ ALL SAFETY WARNINGS AND ALL INSTRUCTIONS. FAILURE TO FOLLOW THE WARNINGS AND INSTRUCTIONS MAY RESULT IN ELECTRIC SHOCK, FIRE AND/OR SERIOUS INJURY.

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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

- 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.
- 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.
- 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.
- 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

- 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 dust mask, non-skid safety shoes, hard hat, or hearing protection used for appropriate conditions will reduce personal injuries.

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of in a manner which is compatible with the environment. When the product becomes completely unserviceable and requires disposal, drain any fluids (if applicable) into approved containers and dispose of the product and fluids according to local regulations.

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- 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 energising power tools that have the switch on invites accidents.
- 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.
- 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 jewellery. Keep your hair, clothing and gloves away from moving parts. Loose clothes, jewellery 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.

Power tool use and care

- 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.
- 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 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.
- 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.

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Battery tool use and care

- Endure the switch is in the off position before inserting battery pack. Inserting the battery pack into power tools that have the switch on invites accidents.
- Recharger only with the charger specified by the manufacturer. A charger that is suitable for one type of battery may create a risk of fire when used with another battery pack.
- 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 paper clips, coins, keys, nails, screws or other small metal object, that can make a connection from one terminal to another. Shorting the battery terminals together may cause burns or a fire.

Service

- 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.

3. BATTERY CHARGER & PLUG

Battery Charger



WARNING! THIS CHARGER AND BATTERY PACK ARE SPECIFICALLY DESIGNED TO WORK TOGETHER. DO NOT ATTEMPT TO CHARGE ANY OTHER BRAND OF CORDLESS TOOL OR BATTERY PACK WITH THIS CHARGER.

- This 120V~60Hz charger is double insulated and therefore does not require a grounding connection. It is a sealed unit fitted with an internal fuse which cannot be replaced.
- There are no user serviceable parts inside this charger. Never remove any part of the casing unless qualified to do so. If in doubt, consult a qualified electrician.



WARNING! THIS UNIT CONTAINS DANGEROUS VOLTAGES.

- For your protection, do not expose this charger to rain or use in damp locations. Do not place the charger on damp or wet surfaces; use a workbench if available. For

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2. Repairs should be carried out by an authorised service centre.

Cleaning



WARNING! ALWAYS WEAR PROTECTIVE EQUIPMENT INCLUDING EYE PROTECTION AND GLOVES WHEN CLEANING THIS TOOL.

1. Keep your tool clean at all times. Dirt and dust will cause internal parts to wear quickly, and shorten the device's service life.
2. Clean the body of your machine with a soft brush, or dry cloth.
3. Never use caustic agents to clean plastic parts. If dry cleaning is not sufficient, a mild detergent on a damp cloth is recommended.
4. Water must never come into contact with the tool. Ensure the tool is thoroughly dry before using it.
5. If available, use clean, dry, compressed air to blow through the ventilation holes (where applicable).

Lubrication

1. Lightly lubricate all moving parts at regular intervals with a suitable spray lubricant.

Brushes

1. Over time the carbon brushes inside the motor may become worn.
2. Excessively worn brushes may cause loss of power, intermittent failure, or visible sparking.
3. If you suspect that the brushes may be worn, have them replaced at an authorised service centre.

Storage

1. Store this tool carefully in a secure, dry place out of the reach of children.



Environment protection

Recycle unwanted materials instead of disposing of them as waste. All tools, accessories and packaging should be sorted, taken to a recycling centre and disposed

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WARNING! REMOVE BATTERY BEFORE FITTING TOOL OR MAINTENANCE IS CARRIED OUT.

1. To remove the battery from the equipment, depress the spring loaded button on the battery pack. Remove the battery pack by sliding out. DO NOT touch the metal battery terminate.

Using the tool

1. Ensure that you have read, understood and comply with all the safety instructions.
2. Remove battery from tool. Depress tab on front face of battery and slide battery off the tool.
3. To fit the required accessory tool bit lift the quick release handle.
4. Unscrew the locking collar from the drive shaft.
5. Locate the accessory tool onto the drive spigots and refit locking collar until tight.
6. Close quick release handle and confirm firm attachment of accessory tool.
7. Slide dust extraction device sleeve over extraction pipe. (Extraction device not supplied).
8. Refit battery and, ensuring that the speed controller is set to speed 1, Slide the ON/OFF switch to ON position.
9. Select appropriate tool speed for the task in hand.
10. When finished, remove the tool bit, clean the tool and tool bit and replace in its case. Empty dust extraction bag in appropriate manner.
11. Store in a cool, dry place out of the reach of children.

LED worklight

The tool has an LED light to illuminate the work area and improve vision when working in areas with insufficient light. The LED light will switch on automatically while the trigger switch is depressed.

6. CLEANING AND MAINTENANCE



WARNING! ALWAYS DISCONNECT FROM POWER SOURCE BEFORE CARRYING OUT ANY INSPECTION, MAINTENANCE OR CLEANING.

General inspection

1. Regularly check that all the fixing screws are tight.

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- added protection use a suitable Residual Current Device (RCD) at the wall outlet.
- This charger unit is intended for use with this specific tool only and must not be used for any other use. Do not use any other charger for charging these batteries.



WARNING! NEVER USE THE CHARGER IN YOUR HOME, ALWAYS CHARGE BATTERIES ON A BENCH IN YOUR WORKSHOP.

- Never exceed the charging time specified in the manual as this could damage both the battery and the charger.
- When the battery fails to charge or maintain its charge, its usable life is exhausted. The battery should be disposed of in an environmentally friendly manner. Do not dispose of the battery in the household disposal system. Take the battery to a recycling or specialized center for disposal.



WARNING! DO NOT DISPOSE OF THE BATTERY BY INCINERATION AS THE BATTERY WILL EXPLODE.

Inserting the battery

Insert the battery pack into the tool handle.



Fig A



Button Fig B

Charging the battery

The battery supplied with this power tool contains a test charge only and must be fully charged before use. Be sure to read all safety instructions before charging the battery. The battery will become warm during charging. This is normal. (Fig A & Fig B)

1. Connect the the power cord of the charge with a wall socket. The charging indicator light turns green.
2. Slide the battery onto the charger. The three intelligent battery indicators will continue flashing when start charging. Two indicators will flash in turn when the capacity reach 70%.
3. About one hour later, battery will full charge, and the charger indicator turn green again. At the moment three indicators (green, yellow, red) light up together.
4. Unplug the charger and disconnect it from the battery pack when charging is finished.
5. Allow the battery pack cool completely before use it.
6. During working, user can check the battery status pressing the button.

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LED battery capacity indicator	Capacity
Green, Yellow and Red LED on	100%
Yellow and Red LEDs on	>60%
Red LED on	>30%



Note: Avoid charging your battery in freezing conditions as charging power will not be sufficient.



CAUTION: WHEN CHARGING MORE THAN ONE BATTERY PACK IN SUCCESSION, ALLOW AT LEAST 30 MINUTES FOR THE CHARGER TO COOL DOWN BEFORE CHARGING THE ADDITIONAL BATTERY.



WARNING! ALWAYS REMOVE THE BATTERY PACK AND STORE IT SAFELY WHEN THE TOOL IS NOT IN USE.

Discharging the battery

Use the tool until it loses all effective power before recharging the battery. Recharging partially used batteries may eventually cause a memory effect that will prevent batteries from accepting their full capacity. Making sure to charge batteries completely before use and discharge them completely before recharging will help them preserve their full capacity.

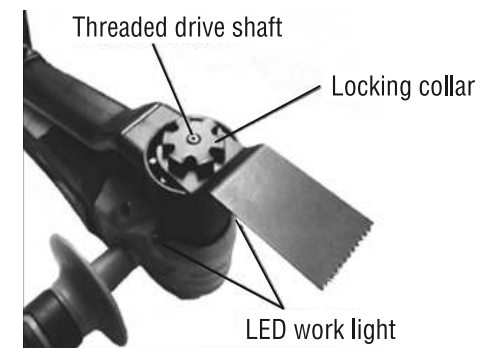
4. TECHNICAL DATA

There is the need to identify safety measures to protect the operator that are based on an estimation of exposure in the actual conditions of use (taking account of all parts of the operating cycle such as the times when the tool is switched off and when it is running idle in addition to the trigger time).

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Item	Value
Main voltage	110-120 V~60 Hz
Output voltage	20 V
Battery voltage	20 V
Battery capacity	2.0 Ah Li-ion
Battery charge time	1 hours
Speed regulator	6 setting
Oscillating angle	3 degrees
No-load speed	5000-20000 RPM

5. OPERATION



Learn more about power tools we have.