



20V LITHIUM-ION  
CORDLESS DRILL  
& WORK LIGHT KIT

# OWNER'S MANUAL



DO NOT RETURN TO STORE!  
HAVE QUESTIONS OR NEED SERVICE  
1-866-591-8921  
www.pulsar-products.com

## PT25LK

NOTE: Battery pack and charger is not included.



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


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# 20V Lithium-ion Cordless Drill & Work Light Kit

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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.**

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### How to Obtain Warranty Service:

Take the original receipt and product to the place of purchase or mail the original receipt and product to the address found on the web site if purchased on-line. It is recommended you retain **all** of your receipts covering the purchase and maintenance of your power tool. Pulsar will not deny you warranty coverage as long as proof of purchase or service can be obtained.

PULSAR OBLIGATION UNDER THIS WARRANTY IS EXCLUSIVELY LIMITED TO PRODUCT REPAIR OR REPLACEMENT AND SHALL NOT BE LIABLE FOR ANY INCIDENTAL OR CONSEQUENTIAL DAMAGES INCLUDING, BUT NOT LIMITED TO, THE EXPENSE OF DELIVERING PRODUCT TO AND FROM REPAIR CENTER, LOSS OR DAMAGE TO PERSONAL PROPERTY, LOSS OF REVENUE, TELEPHONE CHARGES, LOSS OF TIME, OR INCONVENIENCE. SOME STATES, PROVINCES, OR JURISDICTIONS DO NOT ALLOW THE EXCLUSION OR LIMITATION OF INCIDENTAL DAMAGES, SO THE ABOVE LIMITATION MAY NOT APPLY TO YOU. THIS WARRANTY GIVES YOU SPECIFIC LEGAL RIGHTS, AND YOU MAY ALSO HAVE OTHER RIGHTS WHICH VARY FROM STATE TO STATE OR PROVINCE TO PROVINCE.

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**Please read this handbook carefully before using the tool.**

### Explain the symbol:



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



**WARNING:** To reduce the risk of injury, user must read instruction manual.



Wear dust mask to protect against dust.



Wear ear protection against noise.



Wear eye protection.

## 1. 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.

### 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.

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- **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.
- **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.**

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- customer will pay any additional charges for expedited shipments.
- Consumer is responsible for labor costs associated with warranted repairs twelve (12) months after the purchase date. Labor rates will only be based on normal working hours.
- Consumer is responsible for maintaining power tool as specified in the owner's manual. Documentation of this maintenance may be required to cover warranty requests.
- Consumer is responsible for presenting any problems with the power tool to an authorized Service Center as soon as the problem exists. Warranted repairs will be completed in a reasonable period of time, not to exceed 30 days.

### What this Warranty Does Not Cover:

- **Maintenance:** This warranty does not cover any adjustments or repairs not performed by an authorized repair facility.
- **Misuse:** This warranty does not apply if your product has failed due to abuse, misuse, neglect, using incorrect batteries or lubricants, overloading, over-speeding, improper maintenance, improper storage, unapproved modifications, or has been operated in any way contrary to the instructions found in the products owner's manual.
- **Adverse conditions:** This warranty does not apply if your product has failed due to freezing, accident, natural disasters.
- **Product Shipment:** This warranty does not apply to damage resulting from shipping, handling, or warehousing: Any **damage claims to this product caused by shipment must be filed with freighter.**
- **Other exclusions:** This warranty does not apply if your product has been sold "as is" or where the factory applied serial number has been removed. **Refurbished, used, demonstration or floor models are not covered by this warranty.**

### Where Warranty is Valid:

For warranty coverage, this product must be purchased from an authorized retailer and the warranty only extends **to the original purchaser in the United States, Canada, or Mexico, Refurbished used, demonstration, or floor models are not covered by this warranty.** Products purchased from on-line auction websites are not covered under this warranty. Products used for commercial use are not covered under this warranty.

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### LIMITED WARRANTY

#### Limited 3 Year Warranty:

From the date of original purchase, warrants to the original purchaser, that each power tool sold, shall be free from defect in material and workmanship, for the items and time period set forth below. Pulsar at its discretion, agrees to repair or replace any defective part that upon examination, inspection, and testing by a authorized service dealer, is found to be defective within the original warranty period. We will also decide upon the use of new or rebuilt parts or comparable product. Any part or product that is replaced, will be retained by us. This warranty period shall not be extended and any repaired product shall be warranted for the remaining period of the original warranty. The consumer is responsible, and shall prepay all transportation costs, including returning items to the factory or warehouse. This warranty is not transferable and proof of purchase must be presented for requesting warranty service. If proof-of-purchase or a receipt is not provided, the product's shipping date by the manufacture will be used to determine the warranty period.

#### Length of Warranty:

Personal use applications of this power tool are warranted for three (3) years. Proof of purchase and of maintenance must be provided.

- Year 1 - Limited comprehensive coverage on all power tool components and labor.
- Year 2 and 3 - Limited coverage on power tool parts only.

“Personal use” means personal residential household use or recreational use by the retail consumer. “Commercial use” means all other uses including commercial, construction, or other income producing purposes. Once a power tool has been used for commercial purposes, it shall thereafter be considered as a “commercial use” power tool for the purposes of this warranty. Any power tool used for commercial use or rental equipment will not be covered under this warranty.

#### Consumer Responsibilities:

- Consumer is responsible for carefully reading and following all instructions in the owner's manual. Any product that is damaged due to misuse or abuse will not be covered by this warranty.
- Consumer is responsible for all transportation costs to an authorized Service Center. Unless otherwise requested, ground shipping will be applied for part shipment and

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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.
- Recommendation for the operator to wear hearing protection.

#### 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.

#### Battery tool use and care

- **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.
- **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**

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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.

- **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.

### 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.

### Only Li-ion Battery used in all battery pack

## 2. SPECIAL SAFETY INSTRUCTIONS FOR BATTERY PACKET AND CHARGER

**If under extreme conditions any electrolyte should escape from the battery, it's essential to avoid contact with skin. If electrolyte does come into contact with your skin, rinse it off with water. In the event of electrolyte contact with your eyes, it's essential to consult a doctor.**

- This appliance is not intended for use by persons(including children)with reduced physical, sensory or mental capacities, or lack of experience and knowledge, unless they have been given supervision or instruction concerning use of the appliance by a person responsible for their by person responsible for their safety.
- Children should be supervised to ensure that they do not play with the appliance.
- Before the use of the charger and the battery packet, read the instruction manual for it carefully.
- During the charge process, the current used should correspond to the current of the battery charger.
- Never let moisture, rain or splashed water reaches the charging location.
- The ambient temperature must not exceed 40oC. Never expose the device to direct insulation.

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### ON/OFF Switch

Always switch off the tool before insertion or removal of the battery cartridge. Depress to start and release to stop your flashlight. When you depress the power button, the light will shine continuously and then release to stop shining.

## 7. MAINTENANCE

- Clean the tool with a rag dampened with clean water. Do not use chemicals or soap. Do not allow water to get inside the tool.
- Make sure the vent passages remain clear of dust and debris to avoid overheating the tool.
- Store the tool in a clean dry place.
- All repairs must be performed by a qualified electrician.
- Opening the tool voids the warranty.

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- Only switch off the current when the battery packet has been inserted into the box or has been pulled out of the box.
- Storage-battery packet, which are defective or damaged or can no longer be recharged, must be disposed of as hazardous waste. Hand them over at a special collection point. Never harm our environment. Do not throw unusable storage-battery packet away into the domestic waste, into fire or into water.
- If the electrical cable is damaged, the wire may only be replaced by the supplier or by his repair workshop. Have repairs carried out only by an authorized specialist only.
- Use only storage-battery packet, which have been produced by the original manufacturer.
- Always keep the surface of the charger free from dust and dirt.
- Insert the battery packet into the charger. Follow the guidelines provided concerning polarity.
- Always remove battery packet before working on the machine.
- When the battery packet is outside the drill, cover the contacts to avoid short circuits (e.g. from tools).
- Protect the battery packet from impacts, and don't open it.
- Never discharge the battery packet completely and recharge occasionally if not used for a prolonged period.

**⚠ WARNING!** This machine produces an electromagnetic field during operation. This field may under some circumstances interfere with active or passive medical implants. To reduce the risk of serious or fatal injury, we recommend persons with medical implants to consult their physician and the medical implant manufacturer before operating this machine.

### 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

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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 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.

### 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.



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- **Forward:** To return to forward rotation, push the button all the way in on the right side.

Place the directional control switch in the middle (neutral) position to prevent accidental starting while carrying the drill. Never carry the drill with your finger on the trigger.

### Torque adjustments

This feature allows you to set the torque (tightening power) of your drill/driver depending on your specific application and amount of driving power required. Driving large-diameter screws requires greater torque power to properly seat the screw. The chuck stops rotating when the selected torque is reached.

There are 19 torque settings:

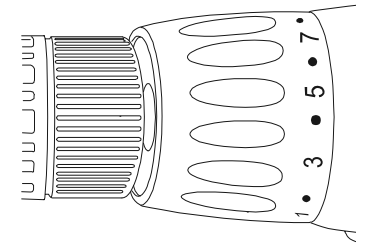
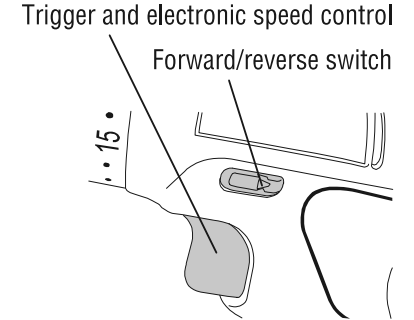
- 1-4: For driving small screws.
- 5-8: For driving screws into soft materials or plastics
- 9-11: For driving screws into soft woods.
- 12-14: For driving screws into medium/hard woods.
- 15-17: For driving screws into hard woods.
- 18-19: For powerful screw driving or drilling metal or using spade (hole) bits.

**⚠ NOTE:** Always start on the lowest setting. The drill symbol gives the highest torque setting and is used when drilling larger holes and/or for driving larger screws.

### 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. WORK LIGHT





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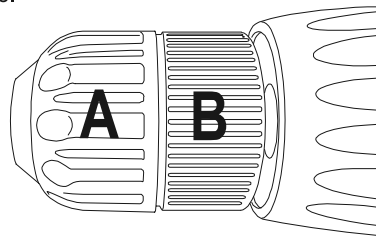


### Keyless chuck operation

The keyless chuck on your drill/driver allows for easy installation, removal, and locking of bits and drills. The chuck has two rotating grips.

To open or close the chuck:

1. Hold grip B.
  2. With your free hand, rotate grip A.
- Do not use unnecessary force when tightening the chuck.



### Variable speed control

Apply light pressure to the trigger to start the drill at a slow speed. Increasing pressure on the switch increases the speed of the drill.

### Forward and reverse switch

Control the drill's direction using the slide switch located above the trigger.

- **Reverse:** To reverse the drill rotation, push the button all the way in on the left side.

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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 3-5 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.

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.

### Additional or replacement batteries

Additional or replacement batteries specifically designed to work with this tool and charger are available from your service center. (1-866-591-8921)

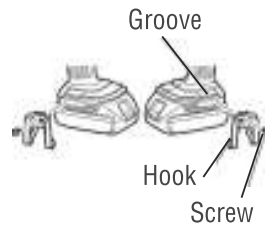
### Discharging the battery

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.

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### Hook

The hook is convenient for temporarily hanging the tool. This can be installed on either side of the tool. To install the hook, insert it into a groove in the tool housing on either side and then secure it with a screw. To remove, loosen the screw and then take it out.



**⚠ WARNING! Remove the battery pack from the machine before any adjustment or maintenance is carried out.**

### Battery pack

Charge the battery pack before use.

If performance diminishes, recharge the battery pack.

"Li-Power" li-ion battery packs have a capacity and signal indicator:

- Press the button, the LEDs indicate the charge level.
- If one LED is flashing, the battery pack is almost flat and must be recharged.

Removal:

Press the battery pack release button and pull the battery pack forwards.

Inserting:

Slide in the battery pack until it engages.

## 4. TECHNICAL SPECIFICATIONS

ITEM	VALUE
<b>Drill</b>	
Rated Voltage	20V
No-load Speed	0-550RPM
Max. Torque	20Nm
Torque Setting	19+1
Chuck auto-lock size	3/8 Inch(0.8-10mm)

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### Work light

Rated Voltage	20V
LED Bulb	3W ,3pcs
Luminosity	260 lumen
Protection category	III

### Charger

Input	100-240A AC , 50/60Hz
Output	22V DC, 0.5A
Charger time	3-5 hours

### Battery

Battery Type	Li-ion
Battery Capacity	1300mAh

**⚠ NOTE: Battery pack and charger is not included.**

## 5. DRILL

Your new cordless drill has been engineered and manufactured to the highest possible standards by Pulsar Products, Inc. for dependability, ease of operation, and operator safety. Properly cared for, it will give you years of rugged, trouble-free performance. Every care has been taken to ensure that it reaches you in perfect condition. However, in the unlikely event that you should experience a problem, or if we can offer any assistance or advice, please do not hesitate to contact our customer care department at the address or telephone number listed at the back of this manual.