
Operation Manual



62V Battery

MODEL # E6225B – 2.5 Ah Battery

MODEL # E6240B – 4.0 Ah Battery

MODEL # E6280B – 8.0 Ah Battery



SAVE THESE INSTRUCTIONS

DO NOT RETURN THIS UNIT TO THE RETAILER. PROOF OF PURCHASE WILL BE REQUIRED FOR WARRANTY SERVICE.

For assistance regarding the assembly, operation or maintenance of the unit, please call 1-833-871-4330 (in the United States) or contact Support@PioneerPowerEquipment.com.

Warranty service is available through an authorized Pioneer Power Equipment dealer. To locate a dealer in your area, please call the number listed above or visit **PioneerPowerEquipment.com/dealerlocator**.

Service on this unit, both within and after the warranty period, should only be performed by an authorized dealer. When servicing, use only identical replacement parts.

All information, illustrations, and specifications in the manual are based on the latest product information available at the time of printing. We reserve the right to make changes at any time without notice. The product may vary slightly from the illustrations contained in this manual.

IMPORTANT: Read this manual thoroughly before using this product. Follow all instructions. NOTE: Please refer to seller if there is any query.



READ AND UNDERSTAND THE OPERATOR'S MANUAL

These batteries has many features for making its use more pleasant and enjoyable. Safety, performance, and dependability have been given top priority in the design of this product making it easy to maintain and operate.

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.

-  **WARNING:** Be sure to read and understand all safety instructions in this Operator's Manual, including all safety alert symbols such as **"DANGER," "WARNING,"** and **"CAUTION"** before using this tool. Failure to following all instructions listed below may result in electric shock, fire, and/or serious personal injury.
-  **WARNING:** The operation of any power tools can result in foreign objects being thrown into your eyes, which can result in severe eye damage. Before beginning power tool operation, always wear safety goggles or safety glasses with side shields and a full-face shield when needed. We recommend a Wide Vision Safety Mask for use over eyeglasses or standard safety glasses with side shields.
-  **WARNING:** Risk of fire and burns. Do not recharge, disassemble, heat above 100 °C, or incinerate. Keep battery out of reach of children and in original package until ready to use. Dispose of used batteries promptly according to local recycling or waste regulations.
-  **WARNING:** Read and understand all instructions. Failure to follow all instructions listed below may result in electric shock, fire and/or serious personal injury. The term "power tool" in all of warnings listed below refers to corded power tools or battery operated (cordless) power tools.
-  **WARNING:** To ensure safety and reliability, all repairs should be performed by a qualified and authorized service technician and / or dealer.

WORK AREA SAFETY

- **Keep the work area clean and well lit.** Cluttered or dark areas invite accidents.
- **Do not operate power tools in explosive environments**, such as in the presence of flammable liquids, gases, or dust. Power tools create sparks, which may ignite the dust or fumes.

ELECTRICAL SAFETY

- **Do not expose power tools to rain or wet conditions.** Water entering a power tool will increase the risk of electric shock.
- Only use the following compatible chargers with these batteries:

Batteries	Chargers
E6225B – 2.5 Ah Battery E6240B – 4.0 Ah Battery E6280B – 8.0 Ah Battery	E6225SC E6255RC

BATTERY TOOL USE AND CARE

- **Prevent unintentional starting. Ensure the switch is in the off-position before connecting to battery pack, picking up or carrying the appliance.** Carrying the appliance with your finger on the switch or energizing appliance that have the switch on invites accidents.
- **Disconnect the battery pack from the appliance before making any adjustments, changing accessories, or storing appliance.** Such preventive safety measures reduce the risk of starting the appliance accidentally.
- **Do not modify or attempt to repair the appliance or the battery pack** (as applicable) except as indicated in the instructions for use and care.
- **Do not use a battery pack or appliance that is damaged or modified.** Damaged or modified batteries may exhibit unpredictable behavior resulting in fire explosion or risk of injury.
- **Recharge only with the chargers specified by the manufacturer.** A charger that is suitable for one type of battery pack may create a rise 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 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

- **Follow instructions in the Maintenance section of this manual.** Use of unauthorized parts or failure to follow Maintenance instructions may create a risk of shock or injury.

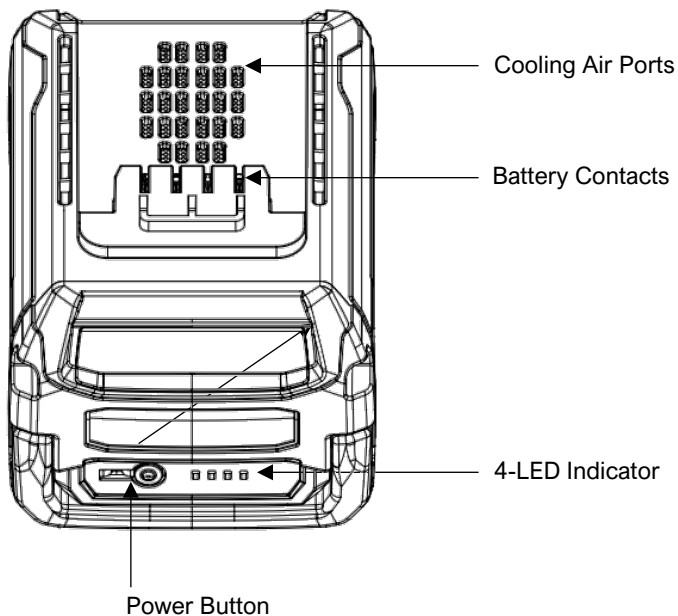
SPECIFIC SAFETY RULES

- **Know your power tool. Read the operator's manual carefully. Learn the applications and limitations, as well as the specific potential hazards related to the tool.** Following this rule will reduce the risk of electric shock, fire, or serious injury.
- **Battery tools do not have to be plugged into an electrical outlet; therefore, they are always in operating condition.** Be aware of possible hazards when not using your battery tool or when changing accessories. Following this rule will reduce the risk of electric shock, fire or serious personal injury.
- **Do not expose a battery pack or appliance to fire or excessive temperature.** Exposure to fire or temperature above 212 °F (100°C) may cause explosion.
- **Do not dispose of the batteries in a fire.** The cells may explode. Check with local codes for possible special disposal instructions.
- **Do not open or mutilate the battery.** Released electrolyte is corrosive and may cause damage to the eyes or skin. It may be toxic if swallowed.
- **Do not crush, drop or damage the battery pack.** Do not use a battery pack or charger that has been dropped or received a sharp blow. A damaged battery is subject to explosion. Properly dispose of a dropped or damaged battery immediately.
- **Batteries vent hydrogen gas and can explode in the presence of a source of ignition, such as a pilot light.** To reduce the risk of serious personal injury, never use any cordless product in the presence of open flame. An exploded battery can propel debris and chemicals. If exposed, flush with water immediately.
- **Do not charge the battery in a damp or wet location.** Following this rule will reduce the risk of electric shock.
- **Follow all charging instructions and do not charge the battery pack or appliance outside of the temperature range specified in the instructions.** Charging improperly or at temperatures outside of the specified range may damage the battery and increase the risk of fire. The specified temperature is greater than 41°F (5° C) and less than 104°F (40° C).
- **Under extreme usage or temperature conditions, battery leakage may occur.** If liquid touches your skin, wash immediately with soap and water, then neutralize with lemon juice or vinegar. If liquid gets in your eyes, flush them with clean water for at least 10 minutes, and then seek immediate medical attention. Following this rule will reduce risk of serious personal injury.
- **Do not let gasoline, oils, petroleum-based products, etc. encounter plastic parts.** These substances contain chemicals that can damage, weaken or destroy plastic.
- **Have your battery pack serviced by a qualified repair person using only identical replacement parts.** This will ensure that the safety of the battery pack is maintained.
- **Save these instructions.** Refer to them frequently and use them to instruct others who may use this tool. If you lend someone this tool, lend them these instructions also to prevent misuse of the product and possible injury.

SPECIFICATIONS

BATTERY SPECIFICATIONS			
Battery Model	E6225B – 2.5 Ah	E6240B – 4.0 Ah	E6280B – 8.0Ah
Rated Voltage	62V	62V	62V
Maximum Capacity	150Wh	240Wh	480Wh
Charger Models	E6225SC E6255RC	E6225SC E6255RC	E6225SC E6255RC
Charging Current	2.5 Ah – Standard 5.5 Ah – Rapid	2.5 Ah – Standard 5.5 Ah – Rapid	2.5 Ah – Standard 5.5 Ah – Rapid
Charging Time	Rapid Charging: 0.45 hours	Rapid Charging: 0.75 hours	Rapid Charging: 1.5 hours
Optimum Storage Temperature	50° F - 80° F (10° C - 26° C)	50° F - 80° F (10° C - 26° C)	50° F - 80° F (10° C - 26° C)
Operating Temperature	-4° F - 104° F (-20° C - 40° C)	-4° F - 104° F (-20° C - 40° C)	-4° F - 104° F (-20° C - 40° C)
Net Weight (without cable)	1.3 kg / 2.8 lbs	1.6 kg / 3.5 lbs	2.7 kg / 5.9 lbs

KNOW YOUR LITHIUM-ION BATTERY PACK



OPERATION

4-LED Indicator on Battery

This lithium-ion battery pack is equipped with a 4-LED battery power level indicator to indicate the charge level and Error. Press the battery power level button on the battery to display the charge level or the battery status. The 4-LED indicator will illuminate one by one from right to left, after all 4-LED indicator were in solid green, then the LED indicator will illuminate as shown below and turn off after 10 seconds. A dead battery causes no LED to shine. **The display may also be used during battery discharge.**

Charge / Battery Status	LED Indicator				Illustration
	LED #4	LED #3	LED #2	LED #1	
3% - 20%					Solid Green
20% - 60%					Solid Green
60% - 80%					Solid Green
80% - 100%					Solid Green
< 3%					Flash Green
Error – Abnormal Temperature					Flash Green – 1HZ
Error – Abnormal Battery Cell					Flash Green – 4HZ

NOTE: The abnormal LED indicator please refer to trouble-shooting. When all the LED indicators turn off, please refer to CHARGER E6225SC and E6255RC operator's manual for problem diagnosing.

BATTERY PROTECTION

The battery circuitry protects the battery pack from extreme temperature, over- discharge, and over-charge. To protect the battery from damage and prolong its life, the battery pack circuitry will turn off the battery pack if it becomes overloaded or if the temperature becomes too high during use. This may happen in extremely high torque, binding, and stalling situations. The battery pack will shut down with LED indicator shining red for 10s when its operating temperature exceeds 158°F (70°C), and will begin normal operation when it returns to 152°F (67°C).

NOTICE: 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.

COLD WEATHER OPERATION

This Lithium-ion battery pack will provide optimal performance in temperatures between 50°F(10°C) and 80°F(26°C). When the battery pack is very cold, it may “pulse” for the first minute of use to warm itself. Put the battery pack on a tool and-use the tool in a light application. After about a minute, the battery pack will have itself warmed and will operate normally.

WHEN TO CHARGE THE BATTERY PACK NOTICE

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

NOTICE: This battery pack is equipped with an advanced self-maintenance function to extend the battery life. Depending on the battery charge, it will automatically perform a self-discharge operation after one month of storage. After this self-maintenance, the battery pack will enter sleep mode and maintain 30% of its charge capacity. If stored for a month or longer, fully recharge the battery before the next use.

It is not necessary to run down the battery pack charge before recharging. The Lithium- ion battery can be charged at any time and will not develop a “memory” when charged after only a partial discharge. Use the 4-LED indicator to determine when the battery pack needs to be recharged.

HOW TO CHARGE THE BATTERY PACK

Follow the instructions in the Operator’s Manual for the Individual Charger.

HOW TO ATTACH AND DETACH THE BATTERY PACK

Follow the instructions in the Operator’s Manual for the Individual Product.

MAINTENANCE

-  **WARNING:** To avoid serious personal injury, always remove the battery pack from the tool when cleaning or performing any maintenance.
-  **WARNING:** When servicing, use only identical replacement parts. Use of any other parts may create a hazard or cause product damage.
-  **WARNING:** It is not recommended to use compressed dry air as cleaning method of the charger. If cleaning with compressed air is the only method to apply, always wear safety goggles or safety glasses with side shields when using compressed air to clean the tool. If the operation is dusty, also wear a dust mask.

GENERAL MAINTENANCE

Avoid using solvents when cleaning plastic parts. Most plastics are susceptible to damage from various types of commercial solvents and may be damaged by their use. Use clean cloths to remove dirt, dust, oil, grease, etc.

 **WARNING:** Do not at any time let brake fluids, gasoline, petroleum-based products, penetrating oils, etc. to come in contact with plastic parts. Chemicals can damage, weaken or destroy plastic which may result in serious personal injury.

 **WARNING:** To reduce the risk of fire, personal injury, and product damage due to a short circuit, never immerse your tool, battery pack or charger in fluid or allow a fluid to flow inside them. Corrosive or conductive fluids, such as seawater, certain industrial chemicals, and bleach or bleach containing products, etc., Can cause a short circuit.

BATTERIES

The battery pack is equipped with Lithium-ion rechargeable batteries. The duration of use from each charge will depend on the type of work performed. The batteries in this tool have been designed to provide maximum trouble-free life. Like all batteries, they will eventually wear out. Do not disassemble the battery pack or attempt to replace the batteries. Handling of the batteries, especially when wearing rings and jewelry could result in a serious burn. To obtain the longest possible battery life, read and understand the operator's manual. It is good practice to unplug the charger and remove the Lithium-ion battery pack when not in use.

For Lithium-Ion battery pack storage longer than 30 days: Store the Lithium-ion battery pack where the temperature is below 80°F (26°C) and free of moisture.

Store Lithium-ion battery packs in a 30%-50% charged condition. Every six months of storage, fully charge the Lithium-ion battery pack. Exterior may be cleaned with a cloth or soft non-metallic brush.

NOTICE: This battery pack has equipped with an advanced self-maintenance function. It can maintain 30% of its charge capacity automatically after it is stored over one month.

BATTERY PACK REMOVAL AND PREPARATION FOR RECYCLING

To preserve natural resources, please recycle or dispose of batteries properly. This product contains lithium-ion batteries. Local, state, or federal laws may prohibit disposal of lithium-ion batteries in ordinary trash. Consult your local waste authority for information regarding available recycling and/or disposal options.

 **WARNING:** Upon removal of the battery pack for disposal or recycling, cover the battery pack's terminals with heavy-duty adhesive tape. Do not attempt to destroy or disassemble the battery pack or remove any of its components. Lithium-ion batteries must be recycled or disposed of properly. Also, never touch the terminals with metal objects and/or body parts as a short circuit may result. Keep away from children. Failure to comply with these warnings could result in fire and/or serious injury.

GENERAL TROUBLESHOOTING

PROBLEM	CAUSE	SOLUTION
The battery pack power reduced after more than one month of non-use.	The battery pack has automatically performed self-maintenance to extend its life.	Fully recharge the battery pack before use.
The 4-LED indicator shines green 1-HZ when the battery pack is not working.	Abnormal battery pack temperature	• Check whether the temperature line is poor contact. • Let the temperature drop to (rise to) the normal working temperature range (-4° F - 104° F or - 20° C - 40° C). • Replace the main board.
The 4-LED indicator shines green 5-HZ when the battery pack is working.	Abnormal battery pack Li-ion cell.	• Ensure that each section of the battery cell is connected properly. • Make sure the voltage difference of each battery cell is within 1V. • Ensure that the voltage of the lowest section of the battery cell is raised for 10 minutes of charging. • Replace the main board. • Replace the battery cell.