

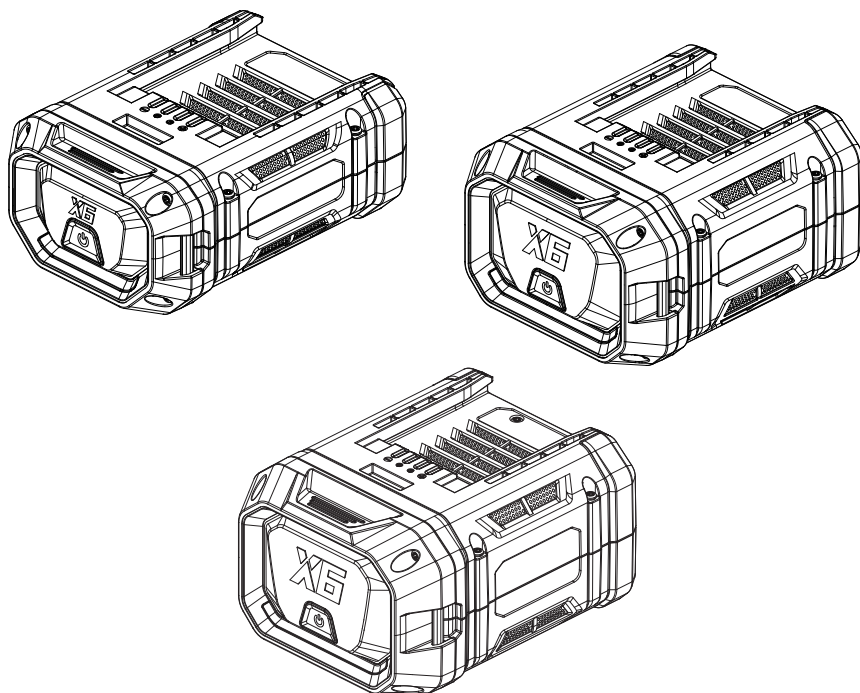
Instruction Manual

Model:

B30X6
B40X6
B60X6
B80X6
B120X6



LITHIUM-ION BATTERY



CAUTION: Before using this tool, please read this manual completely, and follow all operating safety measures.

- SAFETY
- ASSEMBLY
- OPERATION
- MAINTENANCE

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SAFETY & INTERNATIONAL SYMBOLS

The following table depicts and describes safety symbols that may appear on this product. Read, understand and follow all instructions on the machine before attempting to assemble and operate.



Caution / Warning.



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



Wear eye protection.



Wear a dust mask.



Wear safety footwear.



Wear protective gloves.



Do not dispose of battery packs in rivers or immerse in water.



Do not dispose of battery packs in fire. They will explode and cause injury.



Charge the battery at the temperature range of 4°C - 40°C (39.2°F - 104°F).



Do not disassemble, crush, heat above 100°C (212°F); Never expose the battery to microwaves or high pressures.



Keep bystanders a safe distance away from the work area.



Indoor use only. Only use battery charger indoors.



General symbol for recovery/recyclable



Warning: Electricity



The product complies with the applicable European directives and an evaluation method of conformity for these directives was done.



RCM Mark

SAFETY INSTRUCTIONS

GENERAL BATTERY SAFETY WARNINGS



WARNING!

Read all safety warnings, instructions, illustrations and specifications provided with this battery. *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.

1) Battery tool use and care

- a. **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.*
- b. **Use power tools only with specifically designated battery packs.** *Use of any other battery packs may create a risk of injury and fire.*
- c. **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.*
- d. **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.*
- e. **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.*
- f. **Do not expose a battery pack or tool to fire or excessive temperature.** *Exposure to fire or temperature above 130 °C may cause explosion.*
- g. **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.*

2) Service

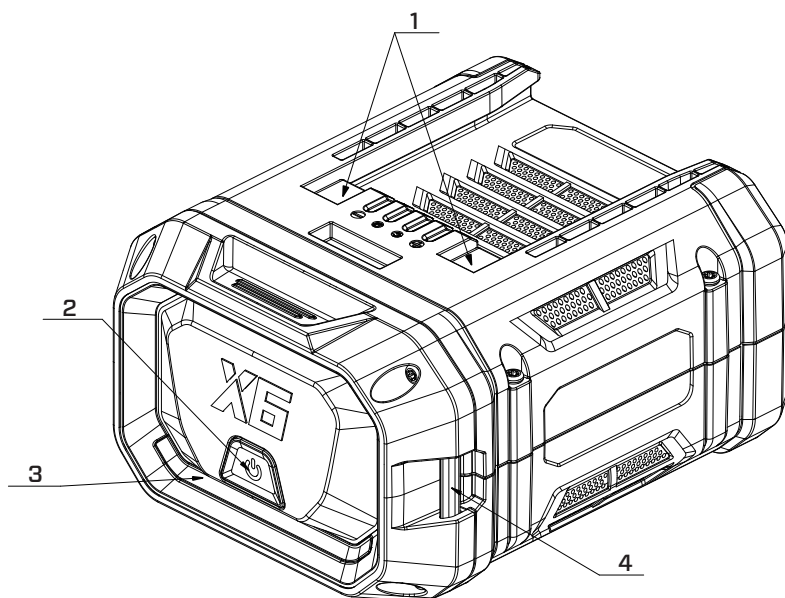
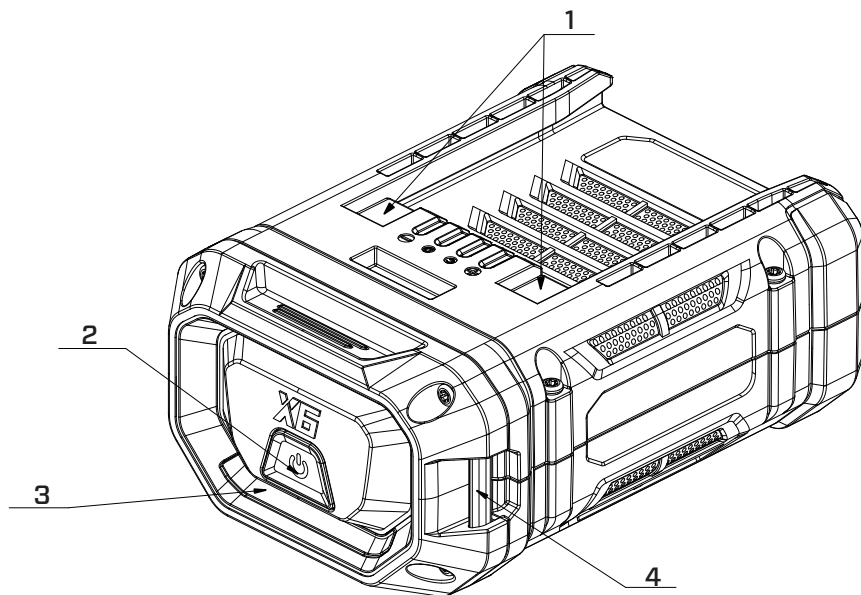
- a. **Never service damaged battery packs.** *Service of battery packs should only be performed by the manufacturer or authorized service providers.*
- Prevent unintentional starting. Ensure the switch is in the off-position before connecting to battery pack, picking up or carrying the appliance. Carrying 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.
- Have servicing performed by a qualified repair person using only identical replacement parts. This will ensure that the safety of the product is maintained.
- 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.

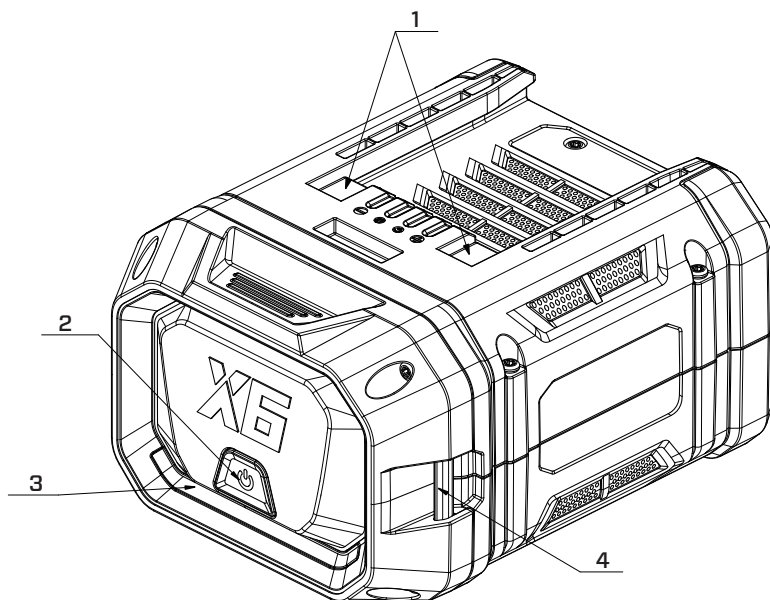
INTENDED USE

Use this battery pack for X6 products only. If the product is damaged or has any defect, please do not use it and bring back it to your dealer.

If you give this battery pack to another people, please also give him this instruction manual. Please note that our equipment has not been designed for use in commercial, trade professional usage or industrial applications.

KNOW YOUR UNIT





APPLICATIONS

Model: B30X6 & B40X6 & B60X6 & B80X6 & B120X6

Use this battery pack for X6 products only.

1	Battery Terminal
2	Capacity Indicator Button

3	Capacity Indicator
4	Handle Bracket

SPECIFICATIONS

Model	B30X6
Battery Type	Lithium-ion
Rated Voltage	56 V \approx (60 V Max*)
Rated Capacity	3.0 Ah 168 Wh
Weight	1.75 kg

Model	B40X6
Battery Type	Lithium-ion
Rated Voltage	56 V \approx (60 V Max*)
Rated Capacity	4.0 Ah 224 Wh
Weight	2.4 kg

Model	B60X6
Battery Type	Lithium-ion
Rated Voltage	56 V \approx (60 V Max*)
Rated Capacity	6.0 Ah 336 Wh
Weight	3.02 kg

Model	B80X6
Battery Type	Lithium-ion
Rated Voltage	56 V \approx (60 V Max*)
Rated Capacity	8.0 Ah 448 Wh
Weight	3.02kg

Model	B120X6
Battery Type	Lithium-ion
Rated Voltage	56 V \approx (60 V Max*)
Rated Capacity	12.0 Ah 672 Wh
Weight	4.1 kg

*60V Max battery, maximum initial battery voltage (measured without a workload) is 60V. The nominal voltage is 56V. All X6 batteries are compatible with the following charger models: CHX6-L-EU & CHQX6-EU & CHQX6-M-EU & CHDX6-M-EU.

OPERATION



WARNING!

Be sure to read the instruction manual carefully before using your battery pack.



WARNING!

This battery pack has been shipped completely assembled. Carefully remove the battery pack from the box.

WHEN TO CHARGE THE BATTERY PACK



NOTE:

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

It is not necessary to run down the battery pack charge before recharging. This battery pack can be charged at any time. It is necessary to press the capacity indicator button to check whether the battery pack needs to be charged. When charging, it is important to provide adequate ventilation to avoid damage to this battery pack.

HOW TO CHARGE THE BATTERY PACK

Charge the battery pack only with the recommended charger in "SPECIFICATION". If the charger does not charge the battery pack under normal circumstances, return both the battery pack and charger to your nearest authorized service center for electrical check.



NOTE:

The battery pack will shut down when its operating temperature exceeds 77 °C.

Do not place the charger and battery pack in an area of extreme heat or cold. They will work best at normal room temperature. It is good practice to unplug the charger and remove the lithium-ion battery pack when not in use.

1. Plug the charger into an approved power supply and the charging indicator on the charger turns red.
2. Press down on the battery pack to be sure the contacts on the battery pack engage properly with contacts in the charger.
3. When the battery pack is well connected in the charger, the charging indicator flashes green.
4. Then charge starts. The charger communicates with battery pack to evaluate the condition of the battery pack. The battery pack may become slightly warm to the touch. This is normal and does not indicate a problem.

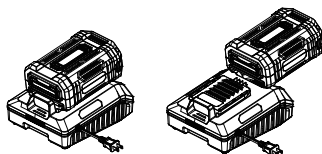


Fig. 1

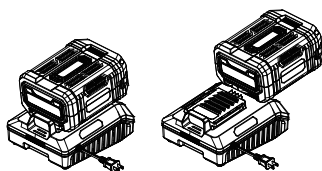


Fig. 2

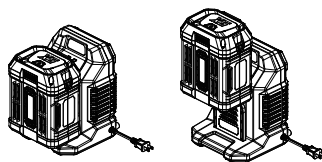


Fig. 3



NOTE:

When battery charge runs out after continuous use or exposure to direct sunlight or heat, allow time for the battery to cool down.

WHEN TO REMOVE THE BATTERY PACK FROM THE CHARGER

The battery is fully charged when the charging indicator stops flashing and remains green. Press the capacity indicator button on the battery to further confirm.

Then disconnect the power supply from the charger. Remove battery pack from the charger.

HOW TO REMOVE THE BATTERY PACK FROM THE TOOL

Make the tool stop completely. Then slide battery pack from the tool.

CHARGING A HOT BATTERY PACK

When using a tool continuously, the battery pack may become hot. A hot battery pack may be placed directly onto the charger port but charging will not begin until the battery temperature cools to within acceptable temperature range.

When a hot battery pack is placed on the charger, the charger may indicate the battery

pack is not ready to charge. Please refer to charger operator’s manual. When the battery pack cools, the charger will automatically begin charging.

CHARGING A COLD BATTERY PACK

A cold battery pack may be placed directly onto the charger port but charging will not begin until the battery temperature warms to within acceptable temperature range. When a cold battery pack is placed on the charger, the charger may indicate the battery pack is not ready to charge. Please refer to charger operator’s manual. When the battery pack warms to approximately room temperature, the charger will automatically begin charging.

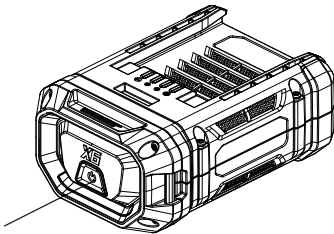


NOTE:

Recommend charging temperature range evaluated, 4°C - 40°C.

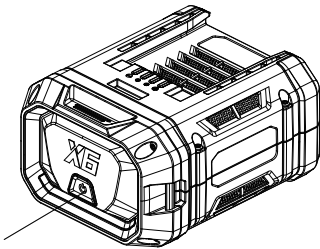
CAPACITY INDICATOR

Press the capacity indicator button to check whether it needs to be charged.



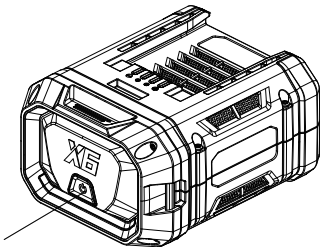
Capacity indicator button

Fig. 4



Capacity indicator button

Fig. 5



Capacity indicator button

Fig. 6

Remaining capacity	4-LED indicator	Remarks
75% - 100%		Four white LED on
50% - 75%		Three white LED on
25% - 50%		Two white LED on
10% - 25%		One white LED on
0-10%		One red LED flashing
Temperature anomaly		Button red LED flashing

COLD WEATHER OPERATION

Use the battery in a maximum temperature of 18°C - 24°C for optimal performance. 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 warmed itself and will operate normally.

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 and capacity indicators shining for 5s when pressing the battery capacity indicator button.

MAINTENANCE

BATTERIES

These batteries have been designed to provide maximum troublefree life. However, like all batteries, they will eventually wear out. Do not disassemble battery pack and attempt to replace the batteries. Handling of these batteries, especially when wearing rings and jewelry, could result in a serious burn. To obtain the longest possible battery life, we suggest the following: Remove the battery pack from the charger once it is fully charged and ready for use.

CLEANING

1. Remove battery pack from the charger/tool before any cleaning work.
2. Keep this battery pack free of debris and dirt. Wipe down the equipment with a cloth and/or compressed air.
3. It is highly suggested that you clean the device after every use.

TRANSPORTATION

1. Take the battery pack from the tool, and place it into a box to avoid being exposed to sunlight during the transportation.
2. Not forget the charger when the battery is transported.

STORAGE

1. Do not store the battery pack on the charger.
2. Do not store close to furnaces, stoves are water heaters.
3. Do not store the battery outside or in vehicles.
4. Keep 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.
5. Keep the battery pack away from moisture. Store the battery in a clean, dry place. Cover it in order to provide added protection.
6. Store the battery within a temperature range of 10°C - 26°C.
7. For Lithium-Ion battery pack storage longer than 30 days:
 - Store Lithium-Ion battery packs in a 30%-50% charged condition.
 - Every six months of storage, charge the Lithium-Ion battery pack until 2 or 3 LED indicators flash in white color on the battery.
 - Exterior may be cleaned with a cloth or soft non-metallic brush.

RECYCLING AND DISPOSAL



This battery pack contains Li-ion batteries. Consult your local waste authority for information regarding available recycling and/or disposal options.



Discharge your battery pack by operating your tool, then remove the battery pack from the tool housing and cover the battery pack connections with heavy-duty adhesive tape to prevent short circuit and energy discharge. Do not attempt to open or remove any of the components.

ENVIRONMENTAL PROTECTION

Waste electrical products must not be disposed of with household waste. According to local battery directive, defective or used battery packs/batteries, must be collected separately and disposed of in an environmentally correct manner. Please recycle where facilities exist. Check with your local authorities or retailer for recycling advice. It will then be recycled or dismantled in order to reduce the impact on the environment and for human health since they contain hazardous substances.

To preserve natural resources, please recycle or dispose of the battery pack properly. Power tools that are no longer usable should not be disposed of with household waste but in an environmentally friendly way. Please recycle where facilities exist. Check with your local council authority for recycling advice.

TROUBLESHOOTING

Suspected malfunctions are often due to causes that the users can fix themselves. Therefore, check the product using this section. In most cases the problem can be solved quickly.

Problem	Possible Cause	Solution
The battery pack doesn't work	The battery pack is running out of the power	Charge the battery pack
	Battery pack broken	Contact an authorized service center
	Temperature out of working range	If the button LED blinks for 5s when pressing the indicator button. Or during use, the button LED keeps flashing red. That means it is under protection. Allow the battery to cool down then resume use.
The battery pack cannot be charged	The battery pack is too hot / cold during charging(Press the indicator button, red flashing of the button LED indicates the battery pack is too hot /cold)	Cool down or warm up the battery pack. Charging will begin when battery pack returns to the normal temperature.
	Charger is broken	Replace with a new battery pack. if it still can't be charged, the charger is broken. Contact the after-sales service center.