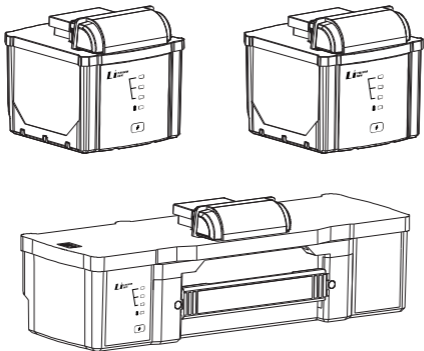


# INSTRUCTIONS

## LITHIUM-ION BATTERY PACK



\*Extreme high/low temperature versions available.

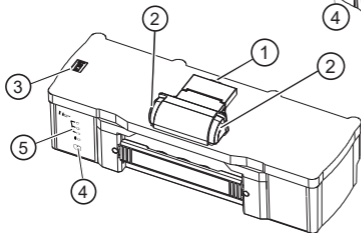
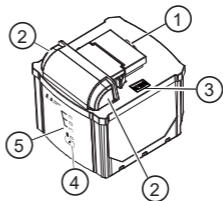


**WARNING**

**TO REDUCE THE RISK OF INJURY, USER MUST  
READ AND UNDERSTAND OPERATOR'S MANUAL.**

## FUNCTIONAL DESCRIPTION

- ① Battery Contacts
- ② Release Buttons
- ③ Battery Switch
- ④ Fuel Gauge Button
- ⑤ Fuel Gauge










### WARNING

- NEW BATTERIES MUST BE CHARGED BEFORE FIRST USE.
- TURN ON THE "BATTERY SWITCH" BEFORE USE!

### CHARGING TEMPERATURE

Recommended Ambient Charging Temperature -10°C to 50°C

## SYMBOLOLOGY

-  Volts       Direct Current
-  Read Operator's Manual       Keep Dry
-  Away From Fire       No Impact
-  Resistant to high and low temperatures

## SPECIFICATIONS

|                     |  |
|---------------------|--|
| Rated Power         | 54Wh/98Wh/490Wh                                    |
| Rated Voltage       | 24.5V  |
| Rated Capacity      | 2.2Ah/4Ah/20Ah                                     |
| Working Temperature | -10~50℃<br>-40~75℃ (Extremely Temperature Version) |
| Working Humidity    | 1~98%  |
| Battery Cycle Life  | 1000 Cycles  |

## IMPORTANT SAFETY INSTRUCTIONS

### SAVE THESE 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.

- 1. THIS INSTRUCTION MANUAL CONTAINS IMPORTANT SAFETY AND OPERATING INSTRUCTIONS FOR LITHIUM-ION BATTERY PACKS.**
- 2. BEFORE USING THE BATTERY PACK AND CHARGER, PLEASE READ THIS OPERATOR'S MANUAL, YOUR LIGHT TOWER OPERATOR'S MANUAL, AND ALL LABELS ON THE BATTERY PACK, CHARGER, AND LIGHT TOWER.**
- 3. CAUTION: TO REDUCE THE RISK OF INJURY, CHARGE THE LITHIUM-ION PACKS OF THIS SERIES ONLY IN THE ORIGINAL LITHIUM-ION CHARGER.** Using other types of chargers may cause personal injury or damage. Do not wire a battery pack to a power supply plug or car cigarette lighter. Battery packs will be permanently disabled or damaged.
- 4. USE THIS SERIES OF LITHIUM-ION BATTERY PACKS ONLY ON COMPATIBLE LIGHT TOWER PRODUCTS.**  
Using them with other tools may pose risks of fire, electric shock, or personal injury.
- 5. DO NOT DISASSEMBLE.** Incorrect reassembly may result in the risk of electric shock, fire, or exposure to battery chemicals. If the battery pack is damaged, take it to a distributor service center.
- 6. DO NOT SHORT CIRCUIT.** Short-circuited battery packs may cause fire, personal injury, and product damage. Short circuits occur if a metal object makes a connection between the positive and negative contacts on the battery pack. Avoid placing the battery pack near objects that could cause a short circuit, such as coins, keys, or nails in your pocket.

**7. STORE THE BATTERY PACK AND CHARGER IN A COOL, DRY PLACE.** Avoid storing the battery packs in direct sunlight, vehicles, or metal buildings during summer.

**8. AVOID DANGEROUS ENVIRONMENTS.** Do not charge the battery pack in rainy, snowy, damp, or wet locations. Do not use the battery pack or charger in explosive atmospheres (gaseous fumes, dust, or flammable materials) as sparks may be generated when inserting or removing the battery pack, potentially causing a fire.

**9. CHARGE IN A WELL-VENTILATED AREA.** Do not block charger vents to ensure proper ventilation. Do not smoke or expose open flames near a charging battery pack as vented gases may explode.

**10. PREVENT LIQUIDS FROM ENTERING THE BATTERY PACK.** Corrosive or conductive fluids such as seawater, certain industrial chemicals, bleach, or bleach-containing products may cause a short circuit.

**11. THE BATTERY PACKS ARE NOT RESISTANT TO ACIDS OR OTHER CORROSIVE CHEMICALS.** Do not immerse or allow liquids to penetrate the battery pack.

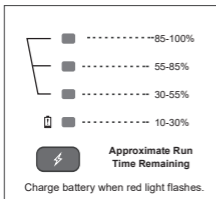
**12. DO NOT BURN OR INCINERATE BATTERY PACKS** as they may explode, causing personal injury or damage. Burning battery packs produce toxic gases and materials.

**13. AVOID CRUSHING, DROPPING, OR DAMAGING THE BATTERY PACK.** Do not use a battery pack or charger that has received a sharp blow, been dropped, run over, or damaged in any way (e.g., pierced with a nail, hit with a hammer, stepped on).

**14. BATTERY CHEMICALS CAN CAUSE SEVERE BURNS.** Never allow contact with skin, eyes, or mouth. If a damaged battery pack leaks battery chemicals, dispose of it with rubber or neoprene gloves. If skin comes into contact with battery fluids, wash with soap and water, rinse with vinegar. If eyes are exposed to battery chemicals, immediately flush with water for 20 minutes and seek medical attention. Remove and dispose of contaminated clothing.

## LI-ION BATTERY PACKS

### FUEL GAUGE



Use the Fuel Gauge to determine the battery pack's remaining run time. The power indicators keep on during charging. Turn it off after charging. Press the Fuel Gauge button to display the lights.

**NOTE:** If the Fuel Gauge doesn't appear to be working, place the battery pack on the charger and charge as needed.

Charge the battery pack.

**NOTE:** Immediately after using the battery pack, the Fuel Gauge may display a lower charge than it will if checked a few minutes later. The battery cells "recover" some of their charges after resting.

### BATTERY PACK PROTECTION

| Fuel Gauge Lights     | Diagnosis                   | Solution               |
|-----------------------|-----------------------------|------------------------|
| Lights 1 - 4 Solid    | Remaining run time          | Continue working       |
| Only the red light on | Less than 10% run time left | Prepare to charge pack |

To protect itself from damage and extend its life, the battery pack's intelligent circuit monitors current draw and temperature.

In extremely high torque, binding, stalling, and short circuit situations, the battery pack will turn OFF the tool if the current draw becomes too high.

Under extreme circumstances, the internal temperature of the battery could become too high.

If this happens, the light tower will not run. Allow the battery to cool down.

## COLD WEATHER OPERATION

In extreme weather, lithium-ion battery packs are designed to operate in temperatures below freezing, from -45 to 70°C. Other battery packs are only suitable for working temperatures from -10 to 50°C. When the battery pack is too cold, it may need to warm up before normal use.



### **WARNING**

**To reduce the risk of fire, personal injury, and product damage due to a short circuit, never immerse your light tower, battery pack, or charger in fluid or allow 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.**

## TRANSPORT

Personal transport of Li-Ion battery packs is allowed when done in accordance with these warnings and instructions. The proper classification, packaging, labeling, marking, and documentation requirements for shipping Li-Ion batteries is dependent upon whether the particular batteries are rated greater than or less than 100 Wh. Generally, Li-Ion batteries rated 100 Wh or less are "excepted" from certain Class 9 DG requirements. Always check compliance of Li-Ion battery consignments against the current regulations governing the chosen mode of transport. When in doubt, contact the carrier or other trained Dangerous Goods professional to confirm acceptability. Li-Ion packs are shipped under classification UN 3480 (battery only) or UN 3481 (batteries contained in or packed with equipment).



### **WARNING**

**To reduce the risk of injury or explosion, never burn or incinerate a battery pack even if it is damaged, dead, or completely discharged. When burned, toxic fumes and materials are created.**

## **MAINTENANCE AND STORAGE**

Do not allow the battery pack to come into contact with water or rain, and avoid moisture. This could damage the battery pack. Make sure to securely close the battery compartment door when using in rainy conditions. Do not use oil or solvents to clean or lubricate the battery pack, as the plastic casing may become brittle and crack, posing a risk of injury.

Store the battery pack in a dry, room temperature environment. Avoid storing it in damp locations where terminal corrosion may occur. Similar to other types of battery packs, prolonged storage in high temperatures (exceeding 50°C) can result in permanent capacity loss.

## **DISPOSING OF LITHIUM-ION BATTERY PACKS**

Lithium-ion battery packs are more environmentally friendly than some other types of battery packs (e.g., nickel-cadmium). Always dispose of your battery pack according to local regulations. Contact a recycling agency in your area for recycling locations.

Even discharged battery packs contain some energy. Before disposing of them, use electrical tape to cover the terminals to prevent the battery pack from shorting, which could cause a fire or explosion.

## **LIMITED WARRANTY**

Each battery pack is warranted to the original purchaser only to be free from defects in material and workmanship. Subject to certain exceptions, the manufacturer will repair or replace a battery pack that, after examination, is determined by the manufacturer to be defective in material or workmanship for the stated warranty period from the date of purchase. Please return the battery pack to the manufacturer. A copy of the proof of purchase should be included with the returned product. This warranty does not apply to damage that the manufacturer determines to be from repairs made or attempted by anyone other than the manufacturer authorized personnel, misuse, alterations, abuse, normal wear and tear, lack of maintenance, or accidents.