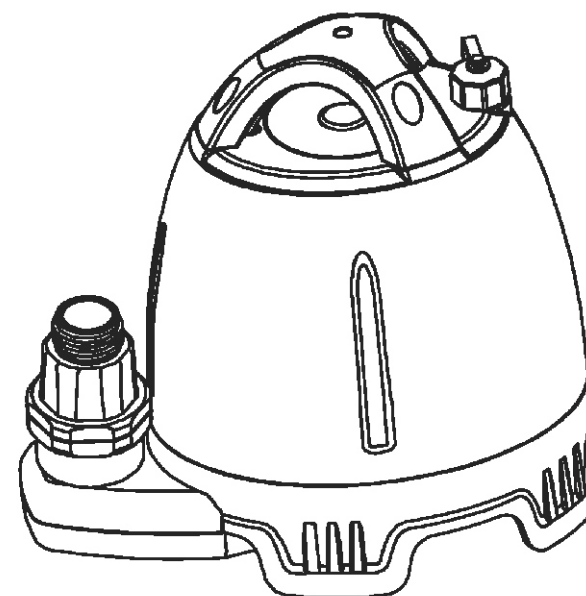




Portable Utility Pump

Instruction Manual



LEO GROUP PUMP(ZHEJIANG) CO.,LTD.

Add: No.1,3rd Street, East Industry Center,317500
Wenling City, Zhejiang P.R.China

Tel: 0086-576-89986360

Fax: 0086-576-89989898

Email:export@leogroup.cn

www.leogroup.cn

• LKS-200P

This appliance can be used by children aged from 8 years and above and persons with reduced physical, sensory or mental capabilities or lack of experience and knowledge if they have been given supervision or instruction concerning use of the appliance in a safe way and understand the hazards involved.

Children shall not play with the appliance. Cleaning and user maintenance shall not be made by children without supervision.

Attention!

If the appliance or the supply cord is damaged, it must be repaired by manufacturer, its service agent or qualified person.



Meaning of crossed –out wheeled dustbin:

Do not dispose of electrical appliances as unsorted municipal waste, use separate collection facilities.

Contact you local government for information regarding the collection systems available.

TROUBLESHOOTING

Problema	Possible Cause	Corrective Action
Pump does not start or run	<ol style="list-style-type: none"> 1. Battery out of power. 2. Thermal overload. 3. Corroded plug. 4. Motor failed. 	<ol style="list-style-type: none"> 1. Recharge the battery. 2. Unplug the pump for 30 minutes, then plug in. 3. Clean plug prongs. 4. Call service number on first page.
Pump cannot pump water out.	<ol style="list-style-type: none"> 1. Screen blocked. 2. Hose kinked, bent sharply, or coiled. 3. Airlock. 4. Hose diameter too small. 5. Hose length too long. 6. Impeller loose on shaft. 7. Impeller broken. 	<ol style="list-style-type: none"> 1. Clean screen. 2. Straighten hose. 3. Clean airlock release feature. 4. Use larger diameter hose. 5. Use shorter hose. 6. Reassemble impeller. 7. Call service number on the first page.

WARNING: Read carefully and understand all ASSEMBLY AND OPERATION INSTRUCTIONS before operating. Failure to follow the safety rules and other basic safety precautions may result in serious personal injury.

If you have any QUESTIONS, PROBLEMS, MISSING PARTS, please call our customer service department before returning to your retailer.

TECHNICAL SPECIFICATIONS

Model: LKS-200P

Property	Specifications
Voltage	18 V DC
Amps	200 W
Battery Ah	5 Ah
Max. Head	10 m
Max. Flow	5.5 m ³ /h

▲ SAFETY INFORMATION

▲ WARNING

- This pump must be monitored frequently (at least once a month, possibly more frequently if used in water that is full of debris). If the pump becomes clogged with debris (leaves, sticks, mud, etc.), excess pressure could cause the motor seal to weaken, and water could come in contact with the electric motor. Pump must not be used when connected to power outlet. **NEVER STAND IN WATER WITH A RUNNING PUMP!**
- Keep your work area clean and well lit. Cluttered benches and dark areas invite accidents.
- Do not operate products in explosive atmospheres, such as in the presence of flammable liquids, gases or dust. Products create sparks which may ignite the dust or fumes.
- Keep children and bystanders away while operating a product. Distractions can cause you to lose control of the situation.
- This product is supplied with integral 18V lithium-ion batteries. Pump must be recharged only with the charger supplied with the pump.
- When charging the pump, protect the power cord from being walked on or pinched particularly at plugs, convenience receptacles, and the point where they exit from the product.
- Unplug this product and disconnect the battery when not in use.
- Do not over reach. Keep proper footing and balance at all times. Proper footing and balance enable better control of the product in unexpected situations.
- Prevent unintentional starting. Ensure the switch is in the off-position before connecting to power source and/or battery pack, handle or carrying the tool. Carrying Pump with your finger on the switch or energizing Pumps that have the switch on invites accidents.
- To reduce the risk of electrocution, do not touch plug with wet hands.

PUMP USE AND CARE

- Do not use product if switch does not turn it on or off. A product that cannot be controlled with the switch is dangerous and must be repaired.
- Disconnect battery pack from power supply from product before making any adjustments, changing accessories, or storing the product. Such preventive safety measures reduce the risk of starting the product accidentally.
- Do not drain water while charging.
- Drain water from the pump before servicing.

CAUTION

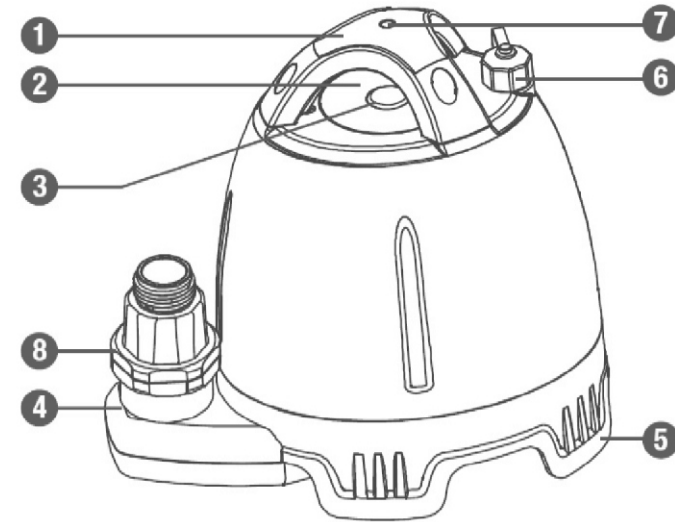
The pump has been designed for use with water only. Do not use with acids, alkalines, solvents, flammable material, gasoline or petroleum products, bleaches, or industrial grade solutions. These products can cause physical injuries to the operator and irreversible damage to the pump.

- Keep the product and its handle dry, clean and free from oil and grease. Always use a clean cloth when cleaning. Never use brake fluids, gasoline, petroleum-based products, or any strong solvents to clean your product. Following this rule will reduce the risk of loss of control and deterioration of the enclosure plastic.
- Clean only with dry cloth.
- Do not operate near any heat sources such as radiators, heat registers, stoves, or other apparatus (including amplifiers) that produce heat.

BATTERY: USE AND CARE

- Recharge only with the charger that is supplied with the pump. Using a different battery charger to charge the battery pack may create a risk of fire.
- Disconnect power supply from product before making any adjustments or storing the product. Such preventive safety measures reduce the risk of starting the product accidentally.
- If for some reason the lithium-ion battery stops working or fails to charge, please contact the manufacturer service department. (1-888-538-0082). Do not attempt to change the battery.
- 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.

KEY PARTS DIAGRAM



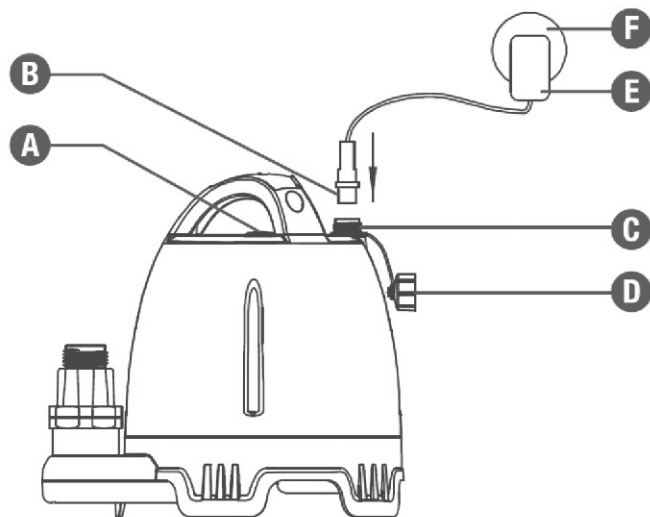
PARTS LIST

Part No.	Description
1	Handle
2	Power Indicator light
3	ON/OFF switch
4	Pump outlet
5	Pump base
6	Charging port
7	Rope hole
8	Adapter

Model	LED	Action
Charging	3 Lights flashing	While charging, lights will flash then turn to solid
Battery level	1 light --- 30% 2 lights --- 60% 3 lights --- 100%	one by one as the power level reaches 30%, 60% and 100%.
Dysfunction	1 LED flashes	Pump running dry. Turn off pump. Relocate intake filter to deeper water.
	2 LEDs flash	Overload. Turn-off the pump. Inspect the impeller to ensure there is not an obstruction causing the issue.
	3 LEDs flash	Battery fault. Turn-off the pump and send the pump to store for service.

CHARGING

1. Set the ON / OFF switch(A) to the OFF position.
2. Unscrew the waterproof nut(D) and do not loosen the O-ring (C) on the waterproof nut.
3. Insert the charging connector(B) into the charging port.
4. Plug the charger(E) to an AC power source(F).
5. After charging, remove the charging connector(B) from the pump and unplug the charger from the power supply.
6. Tighten the waterproof nut(D).



⚠ WARNING

When tightening the waterproof nut, the inner O-ring ring should be present and must be tightened, otherwise the battery pack will short circuit and the protection function will start, then the pump will not operate normally.

⚠ ADDITIONAL SAFETY PRECAUTIONS

1. Know the pump applications, limitations, and potential hazards.
2. Make certain the electrical power source is adequate for the requirements of the pump.
3. The pump is designed for use with clean, cold, fresh water. Do not use to pump any flammable liquid.
4. ALWAYS disconnect the power to the pump before servicing.
5. Secure the pump on a solid base to keep the pump vertical and above mud and sand during operation to maximize pumping efficiency and prevent clogging and premature pump failure.
6. Secure the discharge hose before starting the pump. Pump torque may cause an unsecured discharge hose to "whip," possibly causing personal injury and/or property damage.
7. Before using the pump, check the hose for holes or excess wear which could cause leaks, and be sure the hose is not kinked or making sharp angles. Straight hose allows the pump to move the greatest amount of water quickly.
8. Check that all hose connections are tight to minimize leaks.
9. Never let the pump run without water as this will damage the seal and overheat the pump.
10. Periodically inspect the pump and system components to be sure the pump inlets are free of mud, sand, and debris. DISCONNECT THE PUMP FROM THE POWER SUPPLY BEFORE INSPECTING.
11. Wear safety glasses at all times when working with pumps.
12. Follow all electrical and safety codes, particularly the National Electrical Code (NEC) and in the workplace, the Occupational Safety and Health Act (OSHA).
13. Protect the electrical cord from sharp objects, hot surfaces, oil, and chemicals. Avoid kinking the cord. Do not use damaged or worn cords.

INSTALLATION INSTRUCTIONS

Before beginning assembly of product, make sure all parts are present. Compare parts with package contents list. If any part is missing or damaged, do not attempt to assemble the product.

Estimated Assembly Time (New installation): 5 minutes.

Materials Required for Assembly (not included): Garden Hose or Hose Kit.

The pump should rest on a level, solid base.

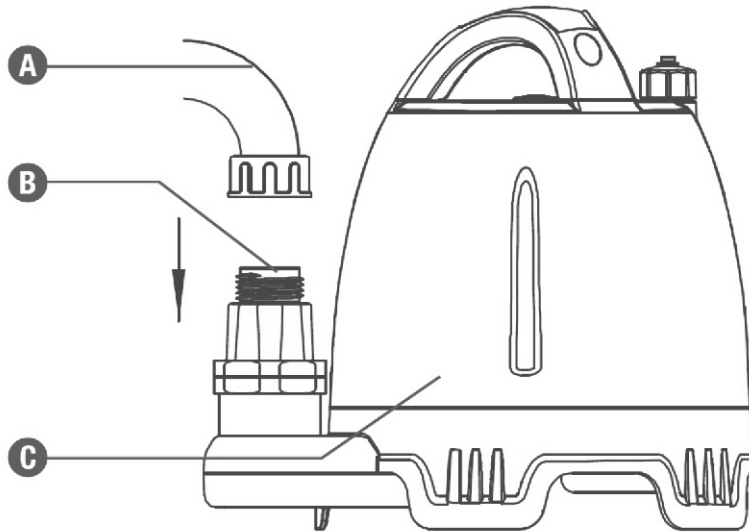
- Do not suspend the pump by the discharge hose or power cord.
- Keep the pump inlet screen clear.
- Do not install pump directly on sand or dirt. The pond the pump is being placed into must have an underlayment laid down to prevent the pump from being clogged with mud, debris, etc.

⚠ WARNING

Always use handle to lift pump. Never use power cord to lift pump. To avoid skin burns, unplug and allow time for the pump to cool after periods of extended use.

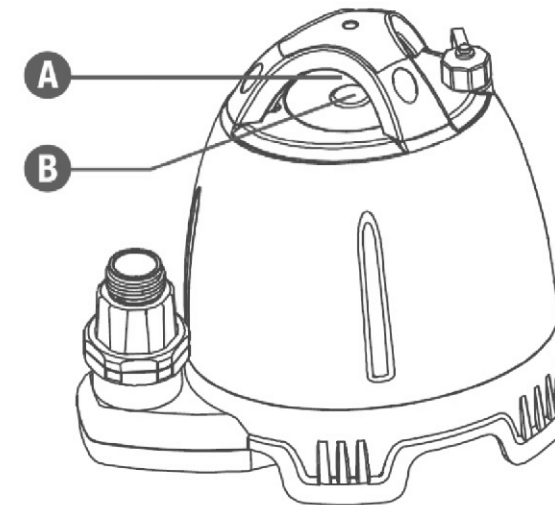
INSTALLATION INSTRUCTIONS

Attach a 3/4" standard garden hose (A) (not included) to the adapter (B) (included) to the pump (C).



NOTE: The standard size of fittings and hoses to use with this pump is 1 in. However, by using adaptors, larger fittings and hoses can be used, which can increase flow rates.

OPERATION INSTRUCTIONS



- To start the pump, set the ON/OFF switch(B) to the ON position.(Press the switch)

NOTE: The pump has internal protection functions built in to it. The LED(A) will flash indicating the error function. Please refer to the LED function chart to determine the proper pump error mode.

- To stop the pump, set the ON/OFF switch(B) to the OFF position.(Press the switch once, the button pops up)

NOTE: If the pump is connected to a battery or power supply while the ON/OFF switch(B) is in the ON position, the pump may not start. To start the pump, set the ON/OFF switch(B) in the OFF position, then switch to the ON position.

⚠ WARNING

1. Do not allow familiarity with products to make you careless. Remember that a careless fraction of a second is sufficient to inflict serious injury.
2. Keep water discharge pointed away from all electrical devices to reduce the risk of electrocution or electric shock.
3. Ensure all hose connections are secure before using the pump. Spilled water and leaks can result in a slippery surface and create a slip and fall hazard.
4. Do not use any attachments or accessories not recommended by the manufacturer of this product. The use of attachments or accessories not recommended can result in serious personal injury.
5. When assembling parts, making adjustments, cleaning or not using them, turn off the pump to prevent accidental start, resulting in serious personal injury.