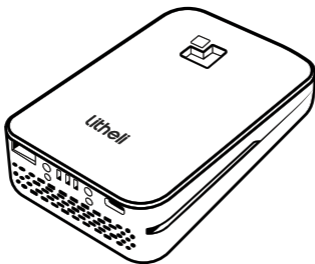


U20 U-BATTERY PLUS

Model No.: U20BY01



WARNING:

To reduce the risk of injury, the user must read and understand the user manual before using this product.


Save this manual for future reference.

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READ ALL INSTRUCTIONS!

The following signal words and meanings are intended to explain the levels of risk associated with this product.

SYMBOL	SIGNAL	MEANING
	WARNING	Indicates a hazardous situation, which, if not avoided, could result in death or serious injury.
	NOTICE	(Without Safety Alert Symbol) Indicates information considered important, may related to a minor injury and property damage.

Important Safety Instructions

WARNING:

This product can expose you to chemicals including lead and Di(2-ethylhexyl) phthalate (DEHP) which are known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.

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SAFETY WARNINGS FOR POWER BANK

1. Before charging as a power bank, read the instructions.
2. Do not use this power bank for works other than those for which they are designed.
3. Do not drop, disassemble, open, crush, bend, deform, puncture, shred, microwave, incinerate, paint, or insert foreign objects into this power bank.

4. Do not use this power bank near water, for example, near a bath tub, wash bowl, kitchen sink or laundry tub, in a wet basement or near a swimming pool.
5. Do not use the power bank outdoors while charging.
6. Do not open the power bank and keep it out of the reach of children.
7. Ensure that the connection between this power bank and the mobile device is correctly positioned.
8. Keep the ports of power bank free of foreign objects and protect against dirt and humidity. Store in a dry and frost-free place.
9. When charging your mobile device, ensure that the power bank is in a well-ventilated area and away from inflammable materials. Ensure that your mobile device and power bank are not left unsupervised during charging.
10. Disconnect from your mobile device when not charging or the charging is over.

SAFETY WARNINGS FOR BATTERY PACK

1. Do not modify or attempt to repair the battery pack. Do not dismantle, open or shred battery pack.
2. Do not expose a battery pack or appliance to fire or excessive temperature. Exposure to fire or temperature above 265°F (130°C) may cause explosion.
3. Do not short-circuit a battery pack. Do not store battery packs haphazardly in a box or drawer where they may short-circuit each other or be short-circuited by other metal objects. 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 fire.
4. Do not subject battery pack to mechanical shock.
5. Observe the plus (+) and minus (-) marks on the battery back and equipment and ensure correct use.
6. Keep battery pack out of the reach of children.
7. Always purchase the battery pack recommended by the device manufacturer for the equipment.
8. Keep battery pack clean and dry.







9. Wipe the battery pack terminals with a clean dry cloth if they become dirty.
10. Battery pack needs to be charged before use. Always use the correct charger and refer to the manufacturer's instructions or equipment manual for proper charging instructions.
11. Do not leave battery pack on prolonged charge when not in use.
12. After extended periods of storage, it may be necessary to charge and discharge the battery pack several times to obtain maximum performance.
13. Battery pack gives its best performance when it is operated at normal room temperatures (20°C–35°C).
14. Use the battery pack only in the applications for which it was intended. 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.
15. Remove the battery pack from the equipment when not in use.
16. Dispose of properly.
17. Do not handle the charger, including charger plug, or charger terminals with wet hands.
18. Do not charge the battery pack outdoors, in rain, or in wet locations.
19. 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.
20. Use power tools only with specifically designated battery packs. Use of any other battery packs may create a risk of injury and fire.
21. 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.

Save these instructions. Refer to them frequently and use them to instruct others who may use this tool. If you lend this tool to someone else, also lend these instructions to them to prevent misuse of the product and possible injury.

Safety Symbols

The purpose of safety symbols is to attract your attention to possible danger. 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 instruction and warnings they give are no substitutes for proper accident prevention measures.

Some of the following symbols may be used on this product. Please study them and learn their meaning. Proper interpretation of these symbols will allow you to operate the product better and safer.

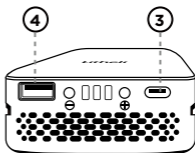
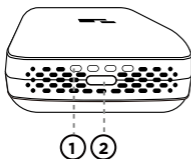
	To reduce the risk of injury, user must read instruction manual
	SAFETY ALERT - indicate a precaution, a warning or a danger.
	Do not burn the battery pack.
	Batteries may enter water cycle if disposed of improperly, which can be hazardous to the ecosystem. Do not dispose of old batteries as unsorted municipal waste.
	For indoor use only.
 Li-Ion	Li-ion battery. This product has been marked with a symbol relating to 'separate collection' for all battery packs and battery pack. It will then be recycled or dismantled in order to reduce the impact on the environment. Battery packs can be hazardous for the environment and for human health since they contain hazardous substances.



Direct current - Type or a characteristic of current

Know Your Tool

1. Battery Power Indicator Light
2. Battery Power Button
3. 2-Way Type-C Port
4. USB-A Port
5. Charging Cable



Technical Data

Model No.	U20BY01
Battery Capacity	37Wh
Voltage	20V
Type-C Port Input	5V/3A 9V/3A 12V/3A 20V/2.25A 45W(MAX)
Type-C Port Output	5V/3A 9V/3A 12V/3A 15V/3A 20V/2.25A 45W(MAX)
USB-A Port Output	5V/3A 9V/2A 12V/1.5A 18W(MAX)

USB-A&C Output	5V/4.4A 22W(MAX)
Battery Dimension	127.5*81.9*39.5mm
Battery spec.	Ternary Lithium battery
Max. Charging Input	45W
Charging Time	55min (Each)
Machine Weight	0.41kg

LITHELI BATTERY PACK (U-BATTERY PLUS)

NOTICE:

- Use only Litheli U-BATTERY PLUS for this appliance.
- This Litheli U-BATTERY PLUS is not resistant to water or dust. Please always keep this battery dry and clean when in use and storage. Do not allow water or moisture enter this battery.

- Benefiting from the innovative battery replacement design, the battery can be exchanged easily.
- Short charging time, and minimal heating while charging.
- The same lithium-ion electrochemistry which is for new energy vehicles.
- Can work as power bank and charge mobile phones and laptops.



Assembly

UNPACKING

- This product requires no assembly.
- Remove all the items out. Make sure that all items listed in the parts list are included.
- Inspect the product carefully to make sure that no breakage or damage occurred during shipping.

- Do not discard the packing material until you have carefully inspected and satisfactorily operated the tool.
- If any parts are damaged or missing, please return the tool to the place of purchase.

Charging Your Battery

WARNING:

Do not use charger outdoors or expose it to wet or damp conditions. Water entering the charger will increase the risk of electric shock.

WARNING:

Charge the battery in a dry and ventilated room, far away from combustibles and ignition sources.

NOTICE: Charger is not supplied with this appliance. You should prepare a 45w charger to work with the supplied charging cable for charging. Make sure the charger meets the requirement (Max. Charging Input) in Technical Data.

NOTICE: Lithium-ion batteries are shipped partially charged. Before using it the first time, fully charge the battery.

BATTERY POWER INDICATOR

The battery supplied with this appliance is equipped with 4 battery power indicator lights which indicate the charge remained in the battery. Press the battery power button to check the remaining power.

The power level will be shown as following when charging:

- a.**When only one indicator shows flashing, the battery needs to be charged.
- b.**During the charging process, the indicators will light up one by one according to the charging situation, the indicator corresponding to the part that is full is always on, and the indicator of the part that is not fully charged flashes.
- c.**All 4 indicator lights light up when the battery is fully charged.

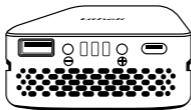
NOTICE:

- If the battery power indicator lights 1&2 flash, it indicates an abnormal voltage situation.
- If the battery power indicator lights all flash, it indicates an abnormal or temperature situation.

Power Level	LED1	LED2	LED3	LED4
0-15%	Flashing	Off	Off	Off
15-35%	On	Flashing	Flashing	Flashing
35-65%	On	On	Flashing	Flashing
65-90%	On	On	On	Flashing
Fully Charged	On	On	On	On
Voltage Error	Flashing	Flashing	Off	Off
Temp Error	Flashing	Flashing	Flashing	Flashing

CHARGING PROCEDURE:

- Remove the battery from the appliance.
- Use the supplied charging cable, insert the Type-C male connector at one end into the Two Way Type-C Port at the bottom of the battery.
- Connect the other end of the charging cable to the charger (not supplied), and connect the charger to the power supply for charging. Running light shows current battery level when charging.
- When all the battery power indicator lights stay on, the battery are fully charged. Remove the battery from the charger and disconnect them from the charging cable.



TIPS:

- a.** The battery is not fully charged when leaving the factory, so be sure to fully charge the battery before first use.
- b.** Do not charge the battery at temperatures below 5°C or above 40°C.
- c.** When the working time of this appliance becomes significantly shorter, or the charging time becomes longer, it is recommended to replace the battery for a new one.
- d.** The battery features overcharge protection, over-discharge protection and short circuit protection.
- e.** The battery features overheating protection, and the output voltage for charging/powering devices which is operated in conformity with the instructions in this Manual is within a safe range, ensuring the safety for users.
- f.** To avoid accidents, do not disassemble or modify the machine or the battery.

Working as power bank

OPERATION

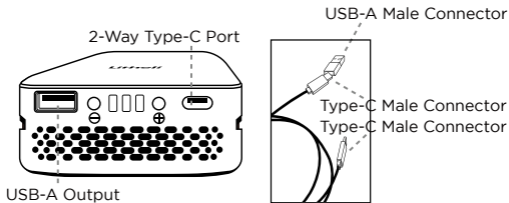
This U-BATTERY PLUS can work as a power bank and charge your mobile devices.

Select the appropriate charging cable according to the device which needs to be charged, and select the appropriate output port on the U-BATTERY PLUS according to the charging cable:

- Charging through USB-A Port: By using a cable with a USB-A male connector on one end and a Micro USB/ Lightning/ Type-C male connector on the other end, you can connect your mobile device with a Micro USB/ Lightning/ Type-C port to the USB-A Port at the top of the U-BATTERY PLUS.

-Charging through 2-Way Type-C Port: By using a cable with a Type-C male connector on one end and a Micro USB/Lightning/Type-C male connector on the other end, you can connect your mobile device with a Micro USB/Lightning/ Type-C port to the 2-Way Type-C Port at the bottom of the U-BATTERY PLUS.

-Now the U-BATTERY PLUS can charge mobile devices (mobile phones, tablets, laptops, etc.).



BATTERY POWER INDICATOR LIGHT

This battery pack is equipped with 4 battery power indicator lights which indicate the charge remaining in the battery. When working as a power bank, the indicator lights will stay on during the charging process.

The power level will be shown as follows:

1. The four battery power indicator lights stay on when the battery power is full.
2. When the battery is charging the mobile device, the four indicators will go off one by one as the remaining battery power decreases.
3. When the last battery power indicator light flashes, it indicates the battery pack requires charging.

NOTICE: If the battery power indicator lights 1&2 flash, it indicates an abnormal voltage or temperature situation.

Maintenance



WARNING:

Do not attempt to repair this product yourself. To ensure safety and reliability, all repairs should be performed by a qualified service technician. Contact the Litheli customer service.

GENERAL MAINTENANCE TIPS

Keep the battery clean and free of dust. Never wet or spray water on it. Do not use any lubricants, detergents, solvents or polishing agent as these could cause irreparable damage. Chemicals can destroy the plastic parts. Wipe the surface with a soft dry cloth.

Storage

1. Do not expose your battery pack to water, rain or allow it to get wet. This could permanently damage the battery pack. Do not use oil or solvents to clean or lubricate your battery pack as the plastic casing can become brittle and crack, causing a risk of injury.
2. Store the battery pack at room temperature away from moisture. Do not store in damp locations where corrosion of terminals may occur. As with other battery pack types, permanent capacity loss can result if the pack is stored for long periods of time at high temperatures (over 120°F/49°C).

For Battery-powered Tools

The ambient temperature range for the use and storage of the tool and the battery is 0°C-45°C (32°F-113°F).

The recommended ambient temperature range for the charging system during charging is 10°C-40°C (50°F-104°F).

While charging, the battery and charger should be placed in a cool, dry indoor place with good ventilation.

Troubleshooting

The following table gives checks and actions that you can perform if your machine does not operate correctly. If these do not identify/remedy the problem, contact your service agent.

WARNING:

Switch off the machine and remove the battery packs prior to any troubleshooting.

Problem	Possible causes	Remedy
Battery cannot charge mobile devices.	Battery is too cold/hot.	Let the battery warm/cool to the appropriate temperature before charging.
	Battery is depleted.	Charge the battery.
Battery cannot be charged.	Bad connection in the outlet.	Change to another outlet and re-charge the battery pack.
	Battery is aging.	Replace the battery pack.

TIPS:

1. Check and operate the battery pack following this manual closely to avoid unnecessary failures.
2. If the battery pack still fails to work, contact the Litheli service agent.

WARRANTY

Litheli WARRANTY POLICY

- For Litheli U20 batteries used for personal and household purposes, 3-year limited warranty;
Please contact Litheli customer service at service@litheli.com any time you have questions or warranty claims.

LIMITED WARRANTY SERVICE

FOR THREE YEARS from the date of original retail purchase, the Litheli battery is warranted against defects in material or workmanship. Defective product will receive free repair or be exchanged.

1. This warranty only covers Litheli batteries used for residential use.
2. This warranty does not cover the consumables such as, but not limited to, charging cables.
3. This warranty does not cover the damage resulting from modification, alteration or unauthorized repair.
4. This warranty only covers defects arising under normal usage and does not cover any malfunction, failure or defect resulting from misuse, abuse (including overloading of the product beyond capacity and immersion in water or other liquid), accidents, and improper maintenance or storage.
5. This warranty does not cover normal deterioration of the exterior finish including but not limited to scratches, dents, paint chips, or to any corrosion or discoloring by heat, abrasive and chemical cleaners.

PRODUCT REGISTRATION

Please register your Litheli product on **Litheli OFFICIAL website.**

For better warranty services, we recommend that you register the product within 30 days from the date of the original retail purchase.

WARRANTY CLAIM

For warranty claims, please contact Litheli customer service. You will need to submit a registration document or proof of purchase in the form of a valid receipt that displays date and place of purchase. Replacement tools do not come with a new warranty. The warranty of the original tools will continue from the date of the original purchase.

lithelipower



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