CETUS
Starlink® Mini “Snap On” Battery Manual

NOTE: Starlink is a registered Trademark of SPACEX

Dear customer,

we proudly hand over to you today CETUS, the Starlink Mini “Snap On” Battery

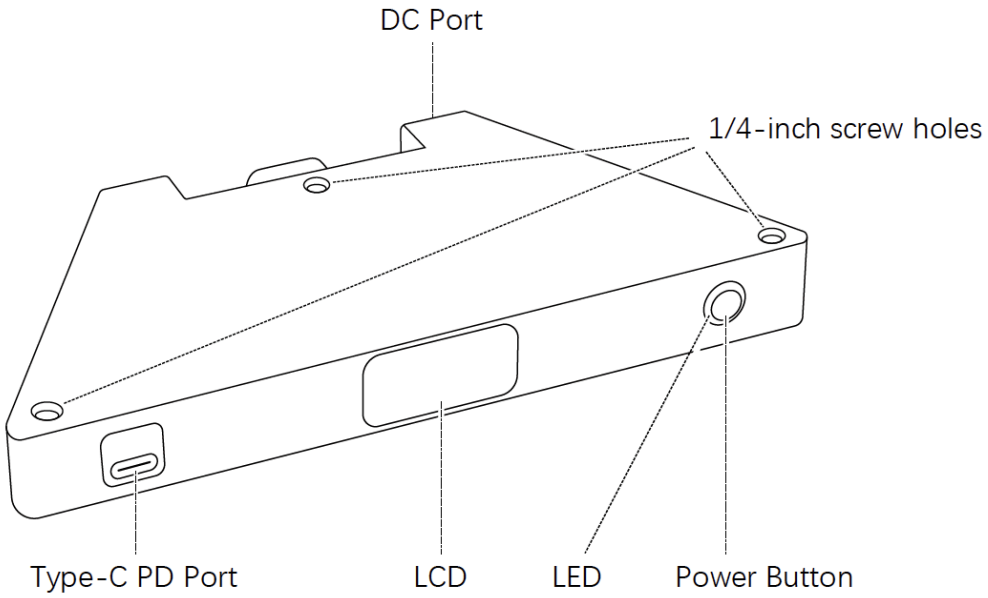
Our international team, led by worldwide engineers, has worked hard to provide you with the best user experience.

We are committed to deliver you a gadget, which you will never want to miss again in your day to day work.

Thanks for giving us the chance to be our customer and recommend us. If you do have any recommendation to make our product better, please let us know.

Please do mind the important notes about Battery Disposal and the CE Declaration at the end of this manual.

Overview



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Description

Power Button
Press the power button to power on.

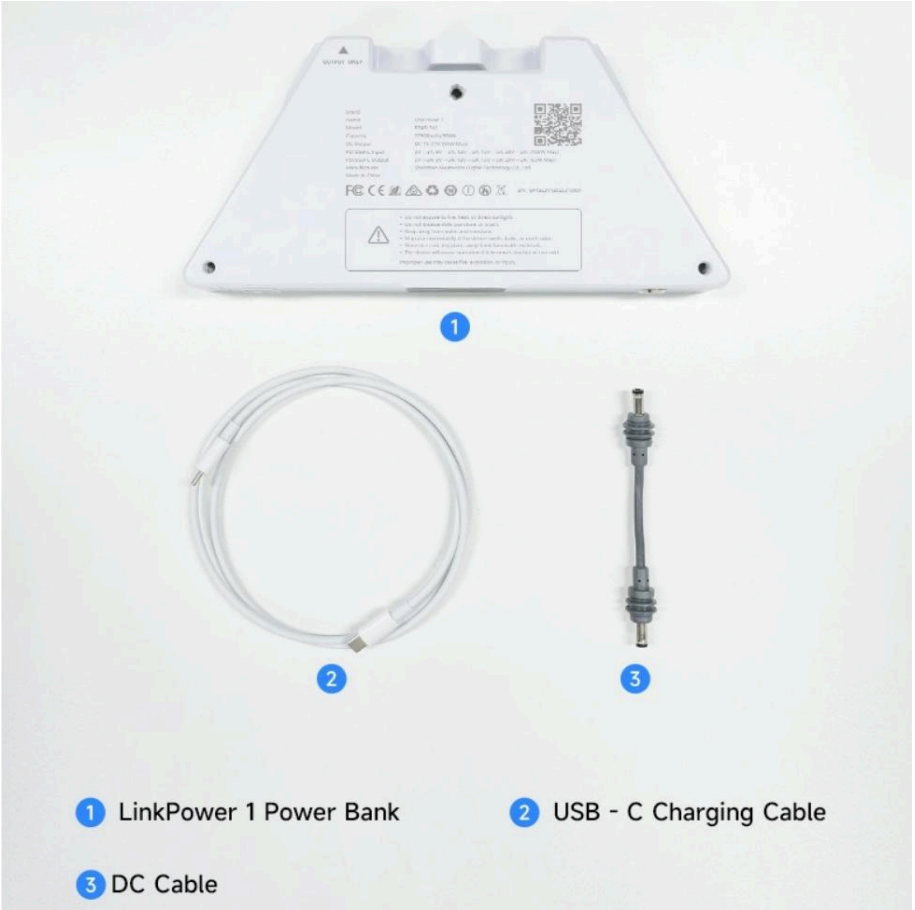
Type-C PD Port
For extension - Here you can place your own Simcard.

DC Port
Out output power only.
Do NOT connect power adapters as it will damage the device.

LCD
Display to show charging and operational status

Assembly

Please identify following parts:



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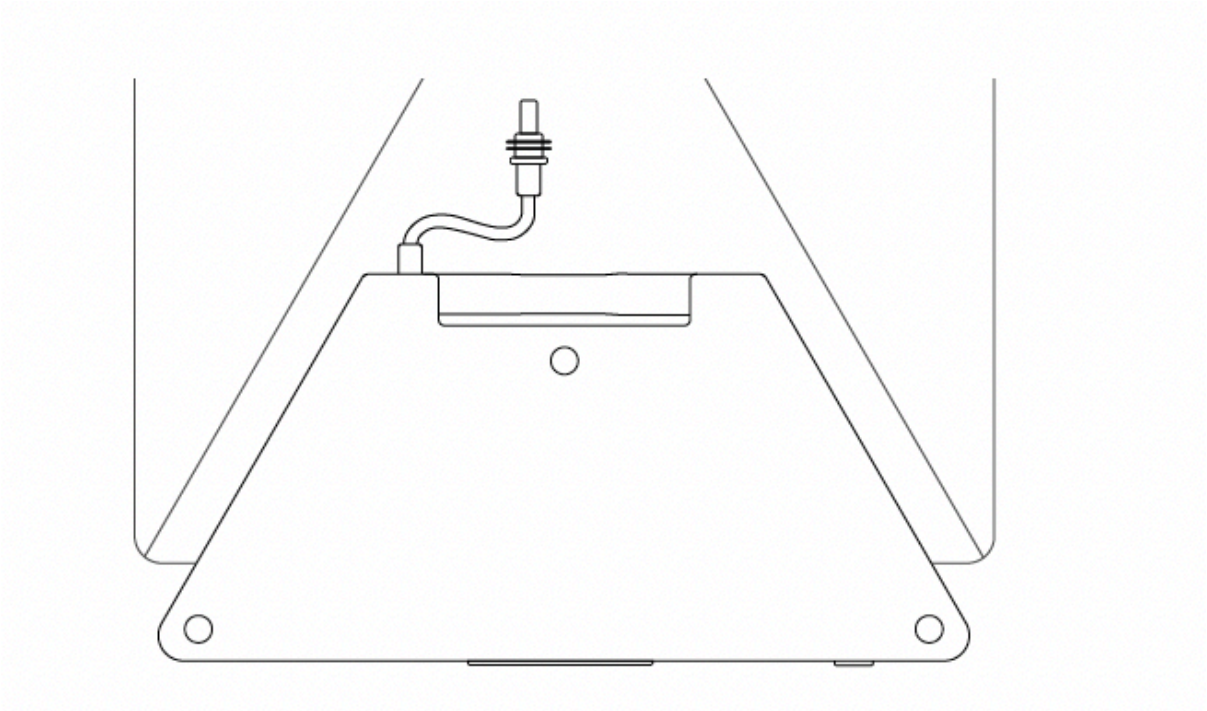
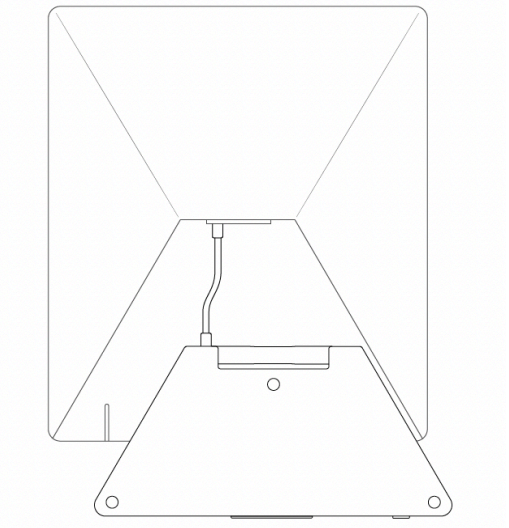
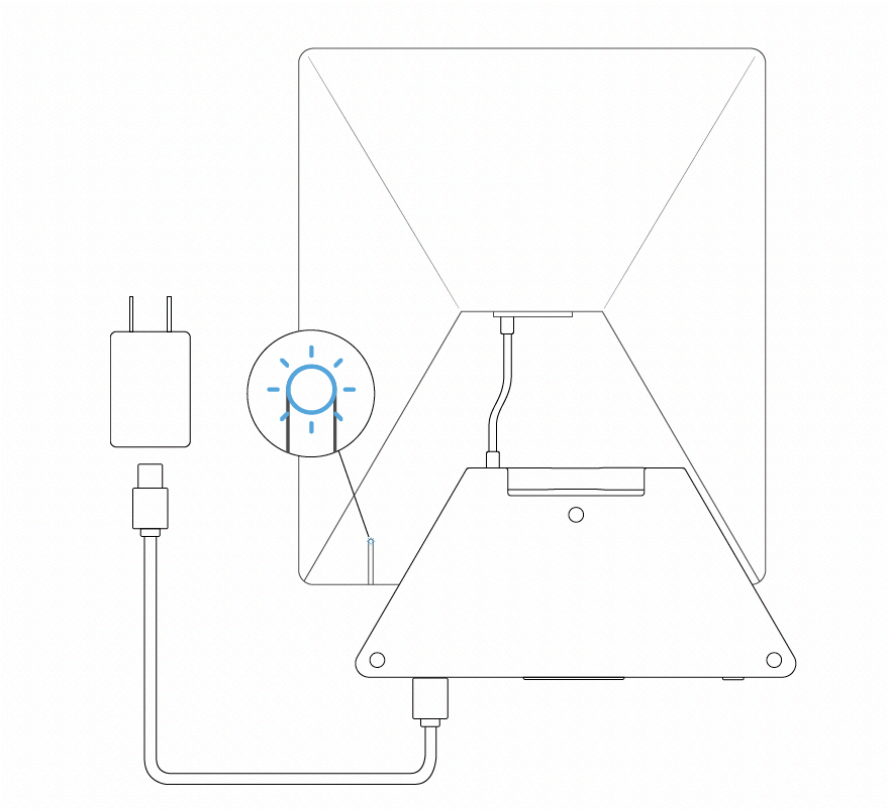
Starlink Assembly:

- Place the Starlink Mini face down on a table or other flat surface.
- Be careful not to scratch the face of the Starlink Mini.
- Remove the kickstand if used.
- Connect the Battery by plugging the included DC-to-DC cable into the DC port on the Battery:



- Plug the other end of the DC cable into the DC port on the Starlink Mini.
- Ensure the plug is fully inserted such that the plug face is flush with the DC port surface to guarantee a secure connection.

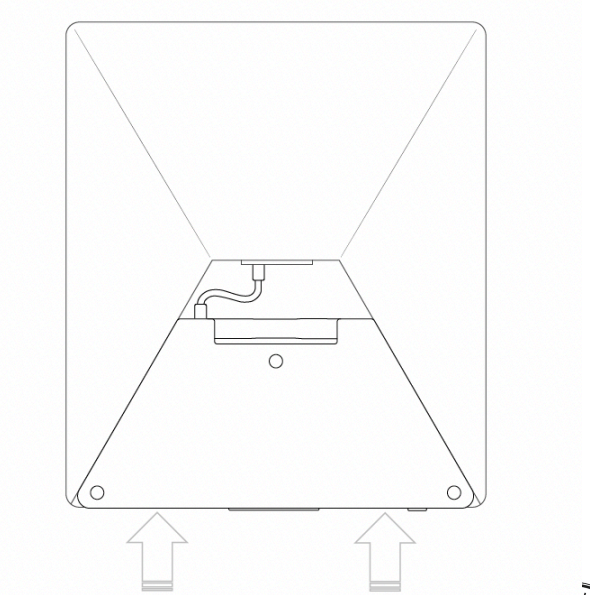




- Plug in an external PD power supply to activate the battery.
- When the battery is powered on, the LED indicator on the power button will light up.
- The Starlink Mini will automatically power on, and its LED indicator will begin flashing.

NOTE: After the battery has been charged, you can remove the external PD power supply.

- Gently slide the LinkPower 1 toward the Starlink Mini until you hear a clicking sound. This indicates that the Battery is securely attached to the Starlink Mini.
- Installation is now complete.
- You can now use your Starlink Mini as normal, powered by the attached Battery



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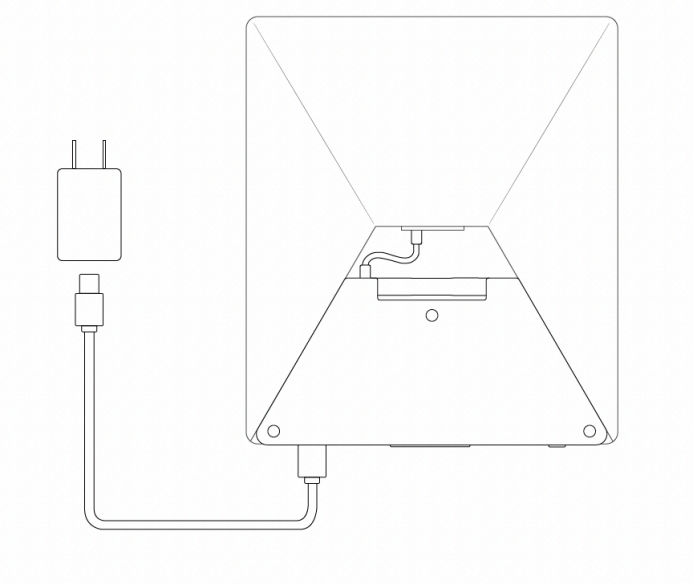
Charging

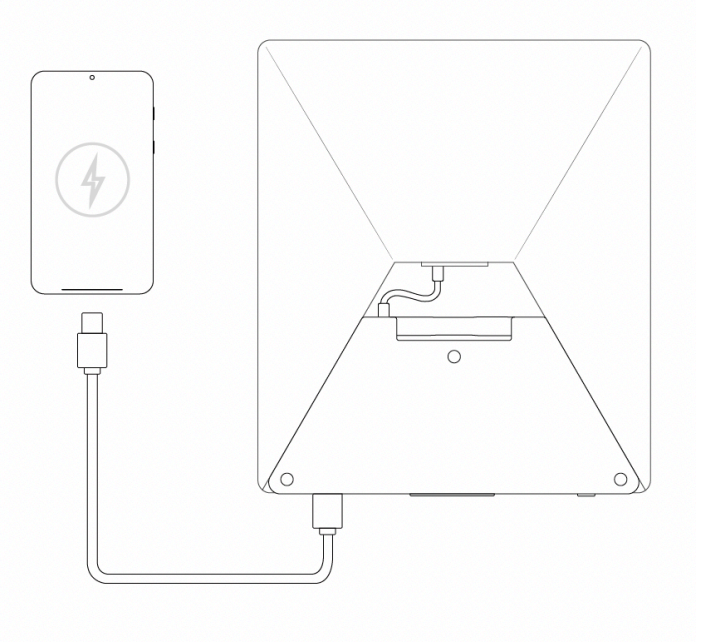


To charge the Battery and simultaneously power the Starlink Mini, please do connect an external USB Type-C PD power supply to LinkPower 1.

Please make sure 100 Watt is not exceeded.

Usage as a power Bank

- When needed, the battery can also be used to charge other devices through its USB Type- C PD port.
- Please make sure 60 Watt is not exceeded.



IATA Airline 99 Wh approval

You want to travel with your Snap On Battery, then please read this section.

The IATA 100 Wh battery rule categorizes lithium batteries for air travel, with the 100 Wh limit being the threshold for carry-on devices.

Batteries under 100 Wh are generally allowed in carry-on and checked bags (though spare ones require air carrier approval for checked baggage).

Batteries between 100 Wh and 160 Wh can be carried in carry-on (with limits on spares), but require airline approval for checked baggage.

Batteries over 160 Wh are not allowed in carry-on and also need specific airline approval for checked baggage.

The 100 Wh limit is the standard threshold for consumer electronic device batteries (laptops, cameras, phones, power banks) and is universally accepted by airlines without needing special approval.

Carry-on Only: Your CETUS Battery must always be in your carry-on baggage, never in checked luggage.

In-Flight Use Restrictions: While almost all airlines allow you to bring a 100 Wh power bank on board, some airlines (including Singapore Airlines, Malaysia Airlines, EVA Air, Thai Airways, and Emirates) prohibit the use or charging of power banks during the flight due to safety concerns.

Labling: Please expect that during check in the ground staff will inspect every battery for its capacity label, which should not exceed 99 Wh. Please help the ground staff and show the battery during check-in.

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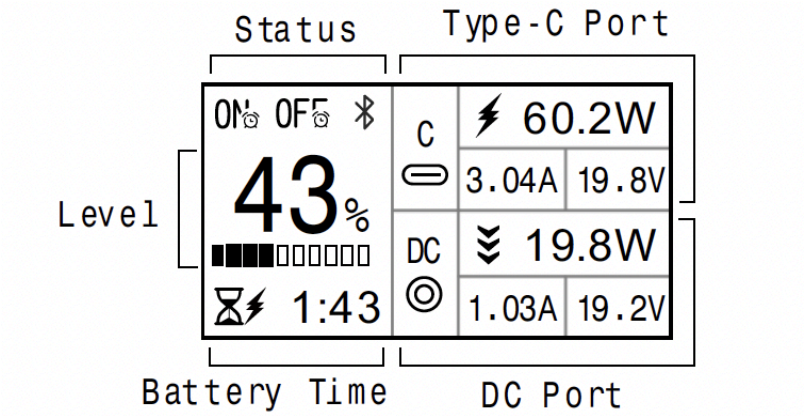
Please always check with your airline prior Check In,

…as the following listing for 99 Wh Batteries, might be outdated:

Airline/Region Group	Allowed in Carry-On?	Max. Quantity (Spare Batteries)	In-Flight Use/Charging?
Global Standard (IATA/FAA/EASA)	Yes	15–20 (for personal use)	Generally Allowed (check airline specific rules)
American Airlines, Delta, United	Yes	"Reasonable quantity" (approx. 15-20)	Generally Allowed
British Airways	Yes	4 spare batteries/power banks	Allowed
Lufthansa Group (Lufthansa, Swiss, etc.)	Yes	2 spare batteries/power banks	**Charging/Use Prohibited** onboard Lufthansa
Singapore Airlines, Scoot	Yes	20 spare batteries	**Prohibited** to use or charge power banks
Emirates, Qatar Airways, Etihad	Yes	100 Wh (up to 20 for Qatar Airways)	**Charging Prohibited** onboard Emirates; Generally allowed for Qatar
Korean Air, Asiana Airlines	Yes	5 spare batteries	**Prohibited** to use or charge power banks; must be visible
Qantas, Jetstar, Air NZ	Yes	20 spare batteries	Allowed
AirAsia, Thai Airways, EVA Air	Yes	No specific limit mentioned (standard implied)	**Prohibited** to use or charge power banks
Air India, IndiGo	Yes	15 devices total; 2 spare batteries (India domestic has stricter rules)	Allowed

DISPLAY

To check the status of battery,,
press Power Button once to turn on the LCD screen.
Following is the layout of the full UI:



Level	Displays Battery Level
Battery Time	Displays the estimated time until LinkPower 1 is fully charged. Displays the estimated time until LinkPower 1 is fully discharged.
Status	ON Indicate a timer is active for turning on the DC port OFF Indicate a timer is active for turning off the DC port Indicate work status of Bluetooth
DC Port	Displays the power, current, voltage and work status of the DC port Indicate DC port is discharging
Type-C Port	Displays the power, current, voltage and work status of the Type-C port Indicate Type-C port is charging Indicate Type-C port is discharging

- When the DC port is enabled, the LED indicator will gently pulse.

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DC Port Control

- You can manually enable or disable the battery's DC port, which in turn powers your Starlink Mini on or off.

- To do this, press and hold the Power Button for at least **2 seconds.**
- The LED indicator will quickly flash twice to confirm this action.
- When the DC port is enabled, the LED indicator will gently pulse.
- When the DC port is disabled, the LED indicator will turn off.

Complete Battery shut down for 5 years storage period

- If you don't plan to use the battery for an extended period, for example you want to stow the battery with an attached starlink mini for up to 5 years, you can shut it down completely.
- This helps to preserve battery life and health.
- To do so, press and hold the Power Button for at least **10 seconds.**
- Once the battery is fully shut down, the Power Button will become unresponsive.
- To restart the battery from a complete shutdown, simply plug in an external power supply.

Thank you !

Enjoy global connectivity.
Thank you for being our customer.
Please do provide us with your valued feedback, which allows us to make our product better.
TELEGRAM: @level421

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Good to Know

How can I remote use the battery with a phone app ?

Please contact our support, to receive the detailed instructions on how to do so. The app is in an early stage, but already works nice. We will explain to you, how to use it.

Can the battery be used while charging ?

Yes it does support pass - through charging

Does the USB-C output port remain powered, if I switch off the battery ?

My CETUS gets hot ?

CETUS should not heat and exceed 60 degrees. However if you do have the feeling that it gets too hot, switch off the device. We also strongly recommend to not keep the device exposed to sunlight and also keep it operating in a ventilated space.

What must I do when a lithium battery starts burning or smoking ?

When a lithium battery starts burning, your top priorities are personal safety, immediate evacuation, and calling emergency services. Do not attempt to extinguish a large, uncontrollable fire yourself, as it releases toxic gases and can be unpredictable.

What can I do if a Lithium Battery catches fire ?

Immediate Actions and Safety First

1. Prioritize Safety: Your safety and the safety of others is paramount. Lithium battery fires release toxic gases and can lead to explosions.
2. Evacuate and Call Emergency Services: If the fire is large, uncontrollable, or involves a large battery (like an e-bike, power tool, or electric vehicle battery), evacuate the area immediately and call the fire department. Inform the operator that it is a lithium battery fire so they can bring the appropriate equipment.
3. If Safe, Disconnect/Move the Battery: If the fire is small and you can do so without putting yourself at risk, unplug the device from its power source and/or move the device to a safe, non-combustible outdoor area away from flammable materials. Use protective gear like heat-resistant gloves if available.

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Ways how to extinguish a Lithium Battery fire:

The most effective method involves two steps: fighting the flames and then fighting the heat.

- For very small, initial fires (e.g., cell phone or tablet battery): A large amount of water can be used to cool the battery and stop thermal runaway. You can also try to submerge the device in a container of water.
- Specialized Extinguishers: The most effective agents are specialized fire extinguishers for lithium batteries, such as those using Aqueous Vermiculite Dispersion (AVD), F-500, gel, or Lithium-X (silicon) agents. These agents cool the battery and/or create a thermal barrier.
- Alternative Agents: If a specialized extinguisher is not available, you can use a standard ABC dry chemical extinguisher, CO_2, or a large amount of sand or powdered graphite to smother the fire and prevent it from spreading to surrounding materials.
- Fire Blanket: A specialized lithium fire blanket can be used to isolate the fire and its toxic fumes. Place the blanket over the fire and leave it on until the object has been transported to a safe place or professional help arrives.

What to avoid:

Do NOT attempt to touch the burning battery with bare hands due to high temperatures and toxic electrolytes.

After the fire:

Continue Cooling/Monitoring: Even after the fire appears to be out, the battery can be hot and re-ignite hours later. Continue cooling it with water (if safe and in a contained area) or monitor it for at least 24 hours.

Proper Disposal: The damaged battery must be disposed of through a certified battery recycler or hazardous waste program. Do not put it in regular trash.

Support

We at Level421 are very picky to provide you as a valued customer with the best possible service and support. We do understand that only by providing you with this support, you will become a returning customer, which is very important to us.

You do have the following possibilities to reach us:

Customers within the European Union:

email: support@level421.de

Worldwide customers, outside the European Union:

email: support@level421.com

Precaution

Please read the following precautions before using:

1) Handle with care, the device should be kept cleanly.
2) Keep the device in aircrafts switched off and do not charge it.
3) Do not put in place with wet, water or other liquids.
4) Do not put in place of extremely high or low temperatures.
5) Do not put near flame or lit tobacco.
6) Do not drop, throw, bend or demolish.
7) Do not put or install on top of car airbags.
9) Ambient temperature: device can be normally used at the temperature of -20 ℃ ~ 60 ℃.

CE Declaration of Conformity

according to RED 2014/53/EU and 2011/65/EU *(RoHS 2)*

CETUS

We, level421 Incorporated,
124 Tomas Street, 2013 Dalayap, Candaba Philippines

Declare under our responsibility, that the product:

CETUS sold under the model names BP4SL V1-4

REQUIREMENT	STANDARD	Report No.
Art.3.1(a) Safety	EN IEC 62368-1:2024+A11:2024	ZKT-25070915852S
Art.3.1(a) Health	EN IEC 62311:2020 EN 50665:2017	ZKT-25070915851E-1
Art.3.1(b) EMC	ETSI EN 301 489-1 V2.2.3 (2019-11) ETSI EN 301 489-17 V3.3.1 (2024-09)	ZKT-25070915851E-2
Art.3.2 Radio	ETSI EN 300 328 V2.2.2 (2019-07)	ZKT-25070915851E-3

This Attestation of Compliance is issued on a voluntary basis for electrical equipment below the voltage limits of Radio Equipment Directive (RED) 2014/53/EU. The essential requirement are fulfilled accordingly based on the technical specifications applicable at the time of issuance.

This certificate is issued by level421
Date: 15.1.2025

Justin Dela Cruz
Compliance Officer

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Data Security

according to DSGVO

Level421 takes your data security concerns very seriously. For this reasons we have committed to follow European basic data security act guidelines (DSGVO) for all our customers worldwide.

Personal relevant data gets stored:

A) independent
B) separate access protected
C) and offline to our technical online systems.

All personal relevant data gets stored exclusively by level421 and within the European Union, in case you are an EU customer. We do not use 3rd parties for storing your personal data.

We do not store any personal data electronically, and delete all information about personal related data immediately, after it has been processed and safely offline stored.

Excluded from this are Modules of Payment Transaction Providers, we are using to settle your payment to us. We do have agreements with those who do lay out the compliance to use your personal data. Please select a payment method of your own convenience.

The relation between your identity and your technical device only can be reconstructed by authorisation of our data security officer, who independently follows data security laws and guidelines valid within the European Union, in case you purchased your device as an EU customer.

He not underlies in this responsibility the management of level421.

Level421 Sales staff or any outside 3rd party does not have access to your personal data. Unless you authorise yourself the relation between your device serial number and your identity.

You can reach our data security officer with regards to your questions or concerns via email: datasecuritycompliance@level421.de

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Environmental Declaration

according to EU 2011/65/EU

The following statements are in line with relevant provisions of the "Electronic Information Products Pollution Control Management Measures" of the People's Republic of China and the EU directive 2011/65/EU *(RoHS 2).*

Listed declaration applies to the device and its accessories::

1. Lead (Pb)
2. Mercury (Hg)
3. Cadmium (Cd)
4. Hexavalent chromium (Cr^{6+})
5. Polybrominated biphenyls (PBB)
6. Polybrominated diphenyl ether (PBDE)
7. Bis(2-ethylhexyl) phthalate (DEHP)
8. Butyl benzyl phthalate (BBP)
9. Dibutyl phthalate (DBP)
10. Diisobutyl phthalate (DIBP)

Maximum Permitted Concentration: 0.1%[5]

Max for Cadmium: 0.01%[5]

DEHP, BBP, DBP and DIBP were added as part of DIRECTIVE (EU) 2015/863 which was published on 31 March 2015

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Battery

according to EU 2023/1542/ BATT DG

Battery capacity: High-capacity battery with 27500 mA/ 99Wh
Polymer Lithium Ion Battery Cell Type 27100
Content of Hg, Cd or Pb: within required limits EU 2023/1542
UN Category: UN 38.3 Packaging UN 3481
Charging voltage: 5V-3A, 9V-3A, 12V-3A, 15V-5A, 20V-5A (100 Watt maximum)
Full charging: 6 hours required
Battery life: up to 4 hour usage

Note 1: The ambient operation temperature should be -10 °C - 45 °C; 20% battery capacity will be lost after one year of permanent usage. After three years of permanent usage, the battery should be replaced. This is possible at a fixed environmental friendly rate.

Note 2: It is recommended to charge the device all 3 months, when it is not used. However do not permanently charge.

Note 3: Do not permanently charge your CETUS, even in case it is switched on, as this may severely damage and bloat the battery. In case it occurred, immediately disconnect CETUS from the charger and do not use it any more. Please pack it into a hermetic closed plastic bag and send it to Level421. We will process this free of charge.

Notes On Battery Disposal

In the context of battery disposal or the delivery of devices which contain batteries we are obliged to give you the following lead:

As an end user you are compelled by law to return used up batteries. You can send old used up batteries that we have had on stock to our address of dispatch without charge.

The symbol above indicates that this product and/or the battery must be disposed of in accordance with applicable legislation and separately from household waste. If this product needs to be disposed of, discard it at an official collection point.

Separate collection and recycling will conserve natural resources and ensure that all health and environmental protection is respected when recycling the product and/or battery.

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