

ZENDURE
AB2000S
Add On
Battery



ZENDURE AB2000S Add On Battery User Manual

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ZENDURE AB2000S Add-On Battery



Product Usage Instructions

Before You Begin

The information contained herein is subject to change without notice. For the latest version, please visit the [Zendure Download Center](#).

Safety Guidelines

Read all safety guidelines, warnings, and other product information in this manual carefully, and read any labels or stickers attached to the product before using. Users take full responsibility for the safe usage and operation of this product. Familiarize yourself with relevant regulations in your area. You are solely responsible for being aware of all relevant regulations and using Zendure products in a way that is compliant. Keep this manual for future reference.

Product Components and Assembly

- AB2000S Battery Pack
- Mounting Kit

Follow the provided instructions to connect the AB2000S battery pack using the PVHub-Hub or directly. Mount the components securely in a suitable location following the assembly guidelines.

Initial Setup

Choose an appropriate location for your AB2000S. Mount it securely using the provided instructions. Connect it to PV Hub, Hyper 2000, or Ace 1500 following the provided guidelines. Ensure firmware is up to date by following the firmware update instructions.

Maintenance and Care

Avoid exposing the AB2000S to direct sunlight. Regularly check for any signs of wear or damage and follow the maintenance instructions provided in the manual.

Frequently Asked Questions (FAQ)

- **How can I claim the product warranty?**

If you need to claim the product warranty, scan the QR code provided in the manual to visit the Zendure help

center and submit a ticket.

- **Where can I find information on return, refund, and warranty policies?**

Scan the QR code in the manual to access up-to-date information on return, refund, and warranty policies for your product.

WARRANTY

Contact US/Claim the Product Warranty

If you have any questions or need to claim the product warranty, please scan the QR code below to visit the Zendure help center and submit a ticket.



Return, Refund, and Warranty Policy

Please scan the QR code below for always up-to-date information on the details of the return, refund, and warranty policy for your product.



Before You Begin

The information contained herein is subject to change without notice. For the latest version, please visit <https://zendure.com/pages/download-center>

Specifications

Model	ZDAB2000S
Weight	≈ 22.1kg
Dimensions	350×200×298mm
Capacity	1920Wh/48V
Battery Type	LiFePO4
Output Power	1200W Max
Input Power	1200W Max
Max Units per System	4
Max Total Capacity	7680Wh
IP Level	IP65
Color	Gray
Charging Temperature	0°C – 55°C
Discharging Temperature	-20°C – 60°C
Automatically Self-heating function	Temperature -20°C – 0°C
Activation temperature of the Aerosol Fire Suppression System	170°C ±10°C

Safety Guidelines

Usage

1. Store the product in a cool and dry place.
2. Do not dispose of the product in heat or fire.
3. During the operation of the solar energy system, avoid exposing the SolarFlow system to direct sunlight to prevent the SolarFlow system from overheating. Do not place the SolarFlow near any heat source.
4. AB2000S has a protection level of IP65, so the product cannot be immersed in liquids. If the product accidentally falls into the water during use, please place it in a safe and open area and keep it from people and combustibles until it is completely dry. The dried product should not be used again and should be properly disposed of according to the disposal guidelines in this manual.
5. Do not use around strong static electricity or magnetic fields.
6. Do not disassemble the product. Consult official Zendure channels when service or repair is required. Incorrect disassembly or reassembly may result in a risk of fire or injury to persons.
7. When using the product, please strictly follow the operating environment temperature range specified in the user manual. If the temperature is too high, it may result in a fire or explosion; if the temperature is too low, the product performance may be severely reduced, or the product may cease to work.
8. Ensure the product is not hit, dropped, or heavily vibrated. Securely fasten the product when transporting it to avoid damage. If severely damaged, turn off the power source immediately and discontinue using the product.
9. Only clean the ports with a dry cloth.
10. Place on a flat and level surface to keep the product from falling over. If the product is overturned and severely damaged, turn it off immediately, place the battery in an open area, keep it away from people and combustibles,

and dispose of it by local laws and regulations.

11. Keep out of reach of children and pets.
12. For safety purposes, please use only the original charger and cables designed for the equipment. We are not liable for damage caused by third-party equipment and may render your warranty invalid.

Disposal Guide

1. When possible, fully discharge the battery before disposing of it. Consult your local laws on battery recycling and disposal.
2. If the battery cannot be fully discharged due to product failure, contact a professional battery recycling company for further processing.
3. When disposing of secondary cells or batteries, keep cells or batteries of different electrochemical systems separate from each other.

FCC Caution

This device complies with Part 15 of the FCC Rules.
Operation is subject to the following two conditions:

1. this device may not cause harmful interference
2. this device must accept any interference received, including interference that may cause undesired operation.

EC Declaration of Conformity

- ZENDURE TECHNOLOGY CO., LIMITED declares that the Add-on Battery AB2000S complies with directive 2014/30/EU(EMC), 2011/65/EU(RoHS), 2015/863/EU(RoHS).
- The full text of the Declaration of Conformity is available at the following web address:
<https://zendure.de/pages/download-center>

Declaration of conformity

The EU Declaration of Conformity can be requested at the address: <https://zendure.de/pages/download-center>.

Disposal

- Dispose of the packaging by separating the materials by type and putting them in the appropriate receptacles.
- Dispose of old equipment (applies in the European Union and other European countries with a separate collection [waste collection]).
- Old equipment must not be disposed of in household waste. Every consumer is legally obligated to dispose of old equipment that can no longer be used separately from household waste, for example at a collection point for recyclables.
- To ensure proper recycling and reduce the negative impact on the environment, electronic devices must be taken to a local collection point. For this reason, electronic devices are marked with the symbol shown below.
- Batteries and accumulators must not be disposed of in household waste. As a consumer, you are legally obligated to dispose of all batteries and accumulators, regardless of whether they contain pollutants or not, at a designated collection point so they can be handled in a way that is responsible, safe, and better for the

environment.

- Marked with: Cd = Cadmium, Hg = Mercury, Pb = Lead. Discharge batteries before disposing of them at an appropriate collection point.

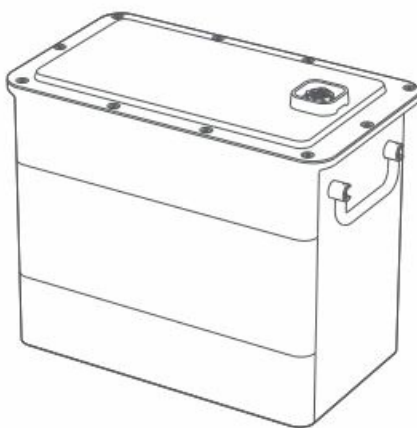
Maintenance and Important Information

- It is recommended to use AB2000S in an environment at 15°C ~30°C, away from water, fire, and other sharp objects.
- When using for the first time, please remove the charge and discharge limit of the battery, and then perform the following cycle once: discharge the battery to 0%, then charge it to 100%.
- For long-term storage, please charge and discharge AB2000S once every 3 months. That is, discharge AB2000S to 30% SOC first, and then recharge it to 60% SOC.
- If the power of AB2000S is lower than 1% SOC after use, please charge it to 60% SOC before storing it. Leaving the battery discharged for a long time can cause irreversible damage to the battery and shorten the service life of AB2000S.
- Do not disassemble AB2000S. When service or repair is required, please consult official Zendure channels. Improper disassembly or reassembly may result in a risk of fire or personal injury.
- Do not place AB2000S in direct sunlight.
- The AB2000S will forcibly implement a discharge lower limit of 5% in the following situations:
 - **Battery temperature** < -5° C
 - **Battery temperature** < 0° C for 30 minsThis can prevent over-discharging of the AB2000S and extend the battery life.

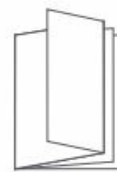
Parts and References

What's in The Box

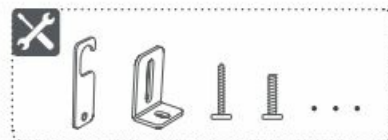
Product and component images may differ from actual products. If any parts are missing or defective, please contact Zendure customer support.



Add-on Battery AB2000S

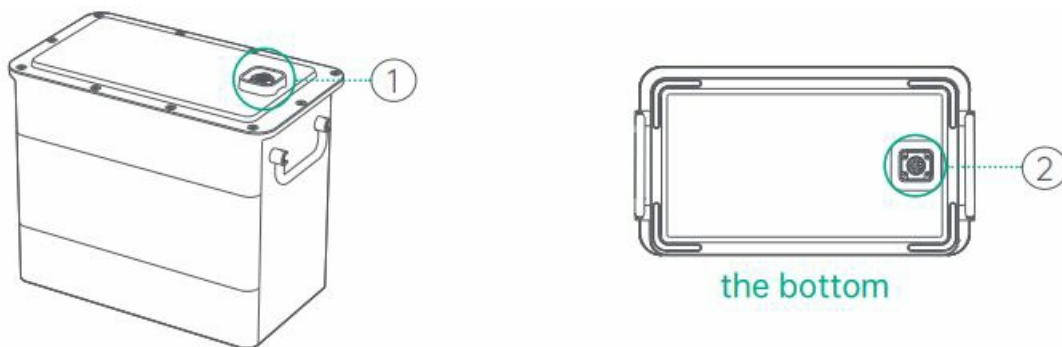


User Manual



Mounting kit

Product Overview



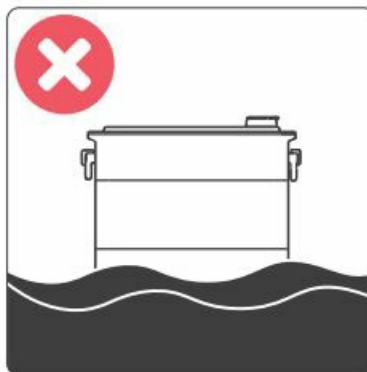
AB2000S Battery Port

1. Connect with PVHub Hub or AB2000S Battery
2. Connect with AB2000S Battery

Getting Started

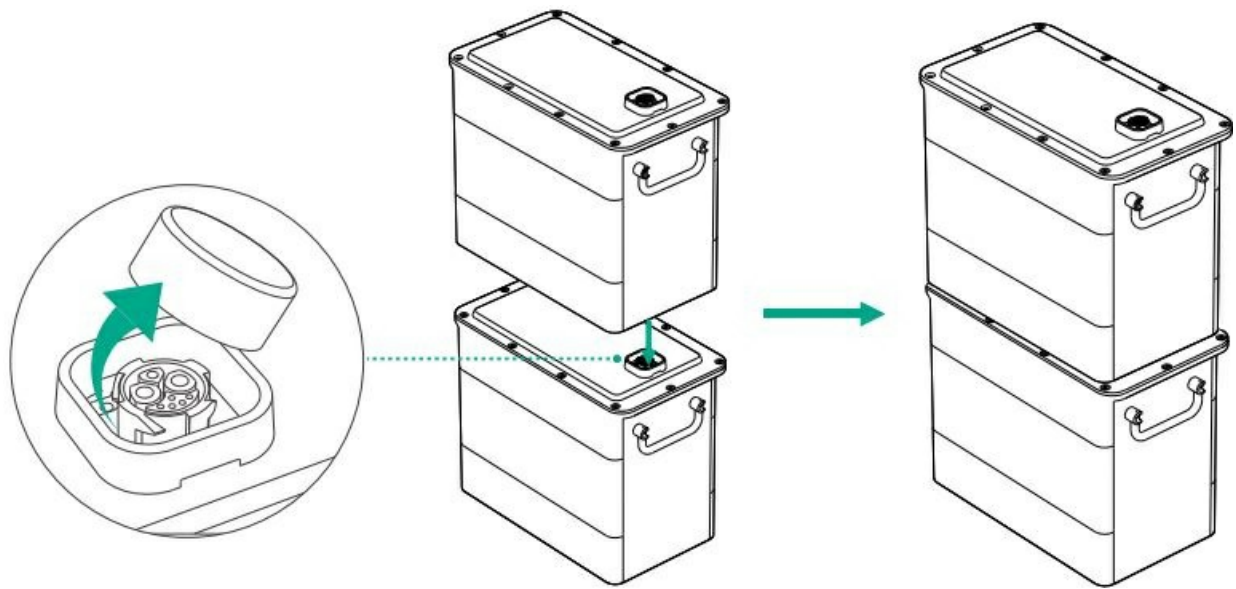
Choosing an Appropriate Location

- Keep the AB2000S on a level surface, flat against the wall.
- Choose a location without direct sunlight.



Connecting Your AB2000S

- Remove the plastic protective covers on the connection port, then please align the left side first.
- Carefully align the AB2000S Battery Ports and slowly put them into place. Vertically stacked AB2000S Batteries do not need a Battery Cable to establish a connection.

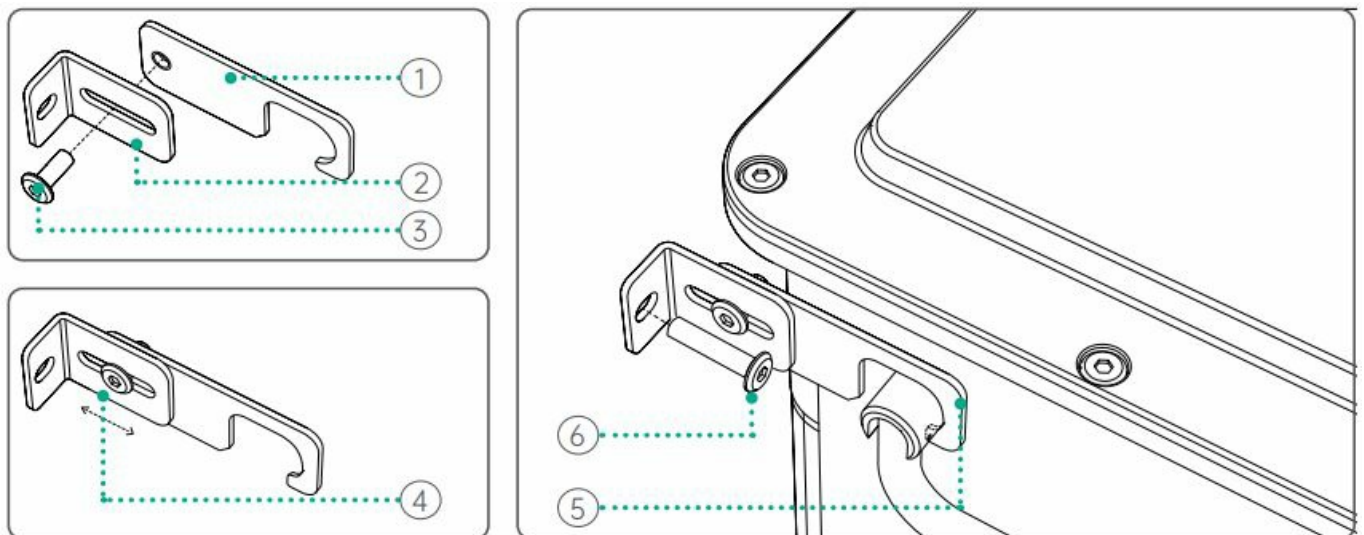


Tips:

- AB2000S should be turned off before the connection.
- Do not connect the batteries while they are being charged or discharged.
- Do not touch the metal pins of the ports with your hands or other objects. Gently clean them with a dry cloth when necessary.
- The Battery Mounting Brackets can be used to secure the AB2000S units in place.

Mounting Your AB2000S

If local regulations or your personal discretion call for securing AB2000S to a wall, the included mounting hardware can be used. It is recommended to secure your AB2000S in place with the included hardware, especially if you have multiple batteries stacked on top of each other.



1. Screw bolt 3 into the hole on parts 1 & 2.
2. After inserting, adjust the distance from the wall between AB2000S via 4 as needed.
3. Put the notch 5 on the handle of AB2000S to mount the AB2000S in place.

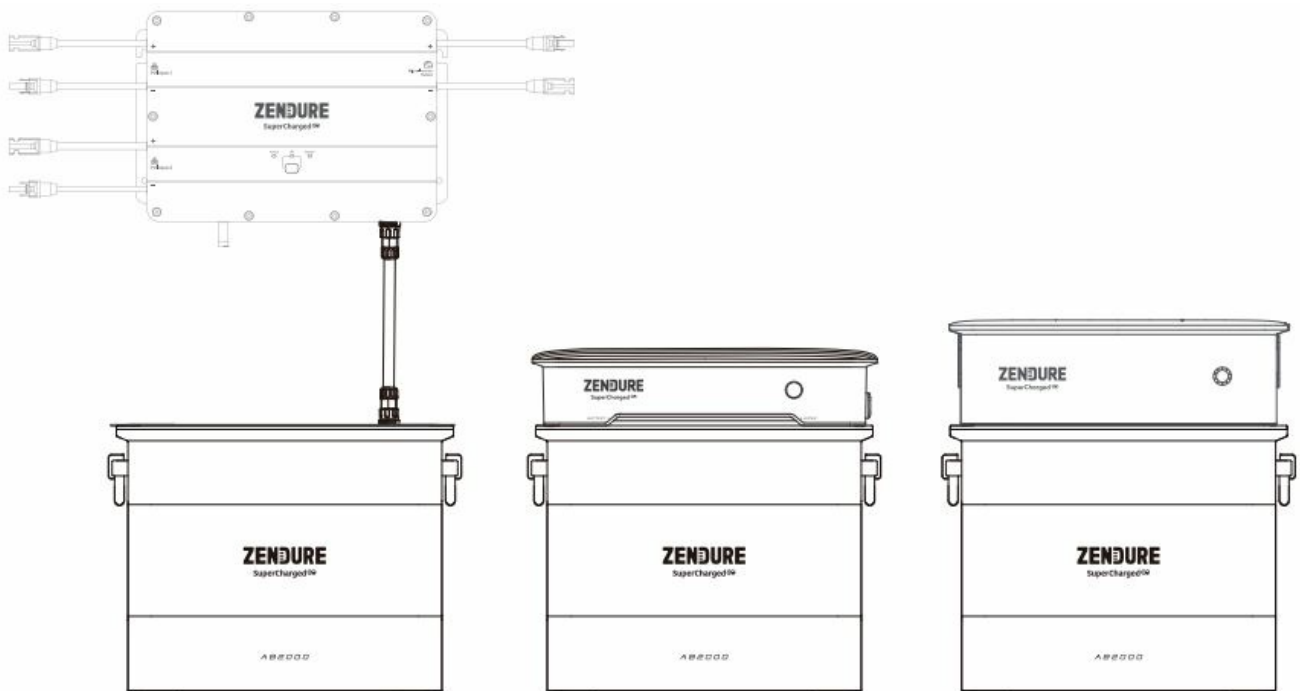
Connect with PV Hub, Hyper 2000, and Ace 1500

PV Hub, Hyper 200,,0, and Ace 1500 can be connected to an AB2000S for capacity expansion. Refer to the user

manual of the PV Hub for detailed instructions.

Tips:

- It's recommended that PV Hub, Hyper 20,0,0, and Ace 1500 are turned off before connection. Do not connect these products to the battery during the charging/discharging process.
- For the PV hub, make sure to tighten the screw nut after connecting the battery cable.
- The battery LED light will show up after connection, and then you can start charging or discharging.
- Make sure the connection between the devices and the battery is right. A bad connection can affect the device's performance or lead to a fire.
- Do not touch the metal pins of the ports with your hands or other objects. Gently clean them with a dry cloth when necessary.



Firmware Update

Once you have connected the battery, check and update to the latest firmware on the Zendure app for Athe B2000S battery.

Tips:

- Do Not turn off the device during the firmware update.
- Do Not unplug any connected cables (including solar cable, battery cable, microinverter cable, AC cable to outlet) during the firmware update.
- Please update the firmware when the charge level is more than 20% to ensure the product can operate long enough to complete the update.
- If the update fails, please retry the update in the app or contact customer service.

Privacy Policy

By using Zendure Products, Applications, and Services, you consent to the Zendure Terms of Use and Privacy Policy, which you can access via the "About" section of the "User" page in the Zendure App.



FAQs

1. How many AB2000Ss can be connected to a single PVHub?

For each PVHub, you can connect up to 4 AB2000S units.

2. Can it be charged and discharged at the same time?

No, the AB2000S's input/output connections use the same port.

3. How do I store my AB2000S?

For long-term storage, please charge and discharge this product once every 3 months. That is, discharge the product to 20% first, and then recharge it to 80%.

4. If my AB2000Ss are unable to charge, what should I do?

- Confirm the solar panels are working normally and have sunlight exposure.
- Check if the AB2000S(s) is fully charged already.
- Verify that no charge limit has been set.

5. If my AB2000S is not recognized by the system, what should I do?

Please follow these troubleshooting steps:

- Check the cable connection (ensure the SolarFlow system is powered off before connecting or disconnecting any cables, including solar cable, battery cable, microinverter cable, and AC cable to outlet).
- Check that your app and firmware are updated to the latest version.
- Try rebooting your router and restarting the app.
- If the battery is still not being recognized, press and hold the IoT button on the battery for 6 seconds to turn it off, then wait a moment, and hold the IoT button for 2 seconds to reboot the battery.


If the issue persists, contact the Zendure customer support team for further assistance. Please provide the product serial number, purchase details, and the status of the LED lights after rebooting.

ABOUT COMPANY

- Zendure USA Inc.
- ZENDURE TECHNOLOGY CO., LIMITED
- Hours: Mon – Fri 9:00 – 17:00 PST
- Phone:
 - 001-[800-991-6148](tel:800-991-6148) (US)
 - 0049-[800-627-3067](tel:800-627-3067) (DE)
- **Support / Contact:**
 - <https://zendure.de/pages/contact>
 - <https://eu.zendure.com/pages/contact-us>
 - <https://zendure.com/pages/contact>

- **Website:**
 - <https://zendure.de>
 - <https://eu.zendure.com>
 - <https://zendure.com>
- **EU Importer:** Zendure DE GmbH
- **Address:** Rheinallee 1, 40549 Düsseldorf
- **E-mail:** sales@zendure.com
- **Phone:** 0049-[800-627-3067](tel:800-627-3067)
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Documents / Resources

	<p>ZENDURE AB2000S Add On Battery [pdf] User Manual AB2000S Add On Battery, AB2000S, Add On Battery, Battery</p>
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References

- [Contact Customer Service – Zendure – Zendure EU](#)
- [Contact Us – Zendure](#)
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- [Kontaktieren Sie den Kundendienst – Zendure](#)
- [User Manual](#)

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