



ZENDURE

SuperCharged[®]

SuperBase V6400/4600 User Manual

DISCLAIMER

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.

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

2. Specifications

General	SuperBase V6400	SuperBase V4600
Weight	≈ 130lbs / 59.0kg	≈ 121lbs (55.0kg)
Dimensions	28.7 x 15.6 x 17.4in / 730 x 346 x 442mm	
Capacity	6,438Wh (126Ah/51.1V) 4,608Wh (90Ah/51.2V)	
Wireless Type	Bluetooth, Wi-Fi	

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Outputs

AC Outlet (4)	120V~60Hz, Total 3800W
Zen AC Outlet (2)	240V~60Hz or 120V~60Hz*, Total 3800W
Car Outlet (1)	12.6V≈10A, 126W Max**
DC5521 (2)	12.6V≈5A
Andersen (1)	12.6V≈30A, 378W Max
USB-C1, USB-C2	5V≈3A, 9W≈5A, 12V≈5A, 15V≈5A, 20V≈5A, each port 100W Max, Total 200W***
USB-C3, USB-C4	5V≈2.4A, 9V≈2.22A, 12V≈1.67A, each port 20W Max
USB-A1, USB-A2	5V≈2.4A, each port 12W, Total 12W (Max)

* Zen AC Outlet support either 240V or 120V output at a time.
** 12W refers to the combined maximum output power of the Car Outlet and the DC5521 ports together.
*** Total USB-C Output 200W Max.

Inputs

AC Inlet (1)	120V~60Hz, 1800W Max or 240V~60Hz, 3600W Max
XT90 (1)	12V-150VDC≈25A, 3000W Max

Battery

Cell Chemistry	Semi-solid State Battery
Cycle Life	3,000+ cycles

Temperature*

Optimal Operating Temperature	SuperBase V6400	SuperBase V4600
Discharge Temperature	59°F to 95°F (15°C to 35°C)	49°F to 109°F (10°C to 43°C)
Charge Temperature	-4°F to 109°F (-20°C to 43°C)	0°F to 109°F (0°C to 43°C)
Storage Temperature	14°F to 95°F (10°C to 35°C)	

* The temperature mentioned above is ambient temperature.

3. Safety Guidelines

- #### 3.1 Usage
1. Store product in a cool and dry place.
 2. Do not dispose of the product in heat or fire.
 3. Do not expose to moisture or submerge it in liquid.
 4. Do not use around strong static electricity or magnetic fields.
 5. 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.
 6. 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.
 7. Do not block or obstruct the fan during use or place the product in an unventilated or dusty area.
 8. Ensure the product is not hit, dropped, or heavily vibrated. Securely fasten the product when transporting to avoid damage. If severely damaged, turn off the power source immediately and discontinue using the product.

9. If you accidentally drop the product into water during use, please place it in a safe open area, and stay away from it until it is completely dry. The dried product should not be used again and should be properly disposed of according to the Disposal Guide section of this manual.
10. Only clean the ports with a dry cloth.
11. Place on a flat 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 in accordance with local laws and regulations.
12. Keep out of reach of children and pets.

- #### 3.2 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.

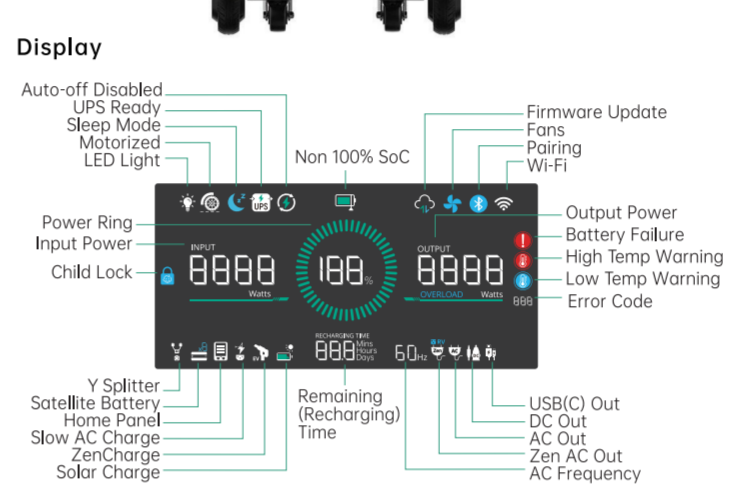
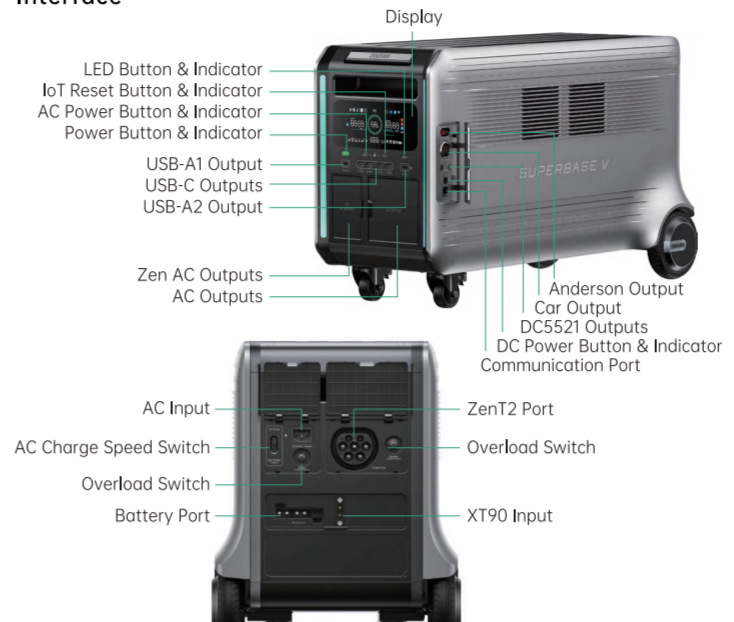
4. Important Tips

- It is recommended to use this product in an environment of 15°C~35°C, away from water, fire and other sharp objects.
- For long-term storage, please charge and discharge this product once every 3 months. That is, discharge the product to 50% first, and then recharge it to 60%.
- For safety reasons, do not store this product in an environment above 45°C or below 0°C for a long time.
- If the power of this product is lower than 1% after use, please charge it to 60% before storing it. Because the battery is left idle for a long time when the power is seriously insufficient, it will certainly result in irreversible damage to the battery and shorten the service life of the product.
- Do not disassemble the product. 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.

5. Getting Started

- #### 5.1 What's in the Box
- SuperBase V
 - Satellite Battery Cable
 - AC Cable 1.5m
 - Car Charging Cable 1.5m
 - Accessory Pouch
 - User Manual
 - Warranty Card
 - Universal Wheel

5.2 Product Overview



5.3 Operation Guideline

No.	Item	Button (operation)	Indicator	Display
1	Power ON	Press Power Button for 1 second	Power Indicator on	on
2	Power OFF	Press and hold Power Button for 3 seconds	Power Indicator off	off
3	Display off	Briefly press Power Button or time's up	Power Indicator on	off
4	Pairing	Press and hold IoT Reset Button for 3 seconds	IoT Indicator Flashes	Pairing icon on

5.5 Connect with Home Panel

ZENDURE Home Panel with EV Outlets (referred to as Home Panel) is a smart load side transfer switch. It's also a fast-charging dock for SuperBase V and features two EV outlets. A Home Panel can be connected to one or two SuperBase V units. ZenT2 Port. Refer to the user manual of the Home Panel for detailed instructions. Press AC Power Button for 3 seconds for connecting with Home Panel. Refer to the latest Zendure App for more information.

Tips:

- It's recommended that both SuperBase V(s) and Home Panel be turned off before connection.
- The Home Panel icon will show up on display after connection; then you can start charging or discharging.
- Do not connect them during charging/discharging process.
- Do not touch the metal pins of the ports by hands or other objects. Gently clean them with a dry cloth when necessary.

5.6 Connect with ZenY Cable

ZenY Cable™ can connect two SuperBase V units together for higher output up to 7200W. Then it can connect to a 1.14-50p power inlet for a regular transfer switch. It's a solution to replace fuel generators. Refer to the user manual of the ZenY Cable for detailed instructions.

Tips:

- * Only available for US version now.

5.7 Recharging AC Recharging

Zendure's GridFlow 2.0 Real-Time Bidirectional Inverting Technology is specifically for AC recharging, offering or 1800W @120VAC or 3600W @240VAC of maximum input power. In case of unusual situations where the AC input current remains higher than 20A, the AC input port will initiate a self-protection function, and the Overload Switch on the product will automatically pop up. After confirming that there is no product failure, you can press the Overload Switch to resume charging.

Tips:

- When using Zendure 200W or 400W Solar Panels (sold separately) to charge the product, please follow the instructions that come with the solar panels.
- Before connecting a solar panel, please ensure that the solar panel's output voltage is within 150Vdc to avoid damaging the product.
- MPPT Voltage Range is 12-120VDC, Open Circuit Voltage is 150VDC.
- MC4 parallel cable is not included.

You can control the charging power through the AC Charge Speed Switch. The default Slow AC Charge is 400W, which can be modified in the Zendure app.

Tips:

- Please use the AC Charging Cable* in the box. Plug directly into an AC wall outlet and make sure that the wall outlet and circuit are rated for more than 15A. Otherwise, reduce the unit charging speed via the Zendure App. Zendure assumes no responsibility for any consequences of product misuse, including but not limited to charging with an unsuitable wall outlet, circuit, or power cable.
- * The default AC Charging Cable is for 120VAC. You can purchase a third-party 240VAC AC charging cable higher than 15A rated current with qualified certifications.

Solar Recharging

Users can connect solar panels as shown in the figure to recharge the product. The product supports 12-150VDC* input, 25A max current, and 5000W max charging power.

Wire max 3 solar panels in series

Wire max 3 series group solar panels in parallel**

Tips:

- AmplUp is not available when the AC output is turned on in a recharging state (in bypass mode).
- AmplUp is not applicable for all electrical appliances; it's incompatible with appliances that have strict voltage requirements and a rated power over 3800W. Appliances with voltage protection (such as precise instruments) are not supported. AmplUp is more suitable for heating devices. When using AmplUp with an untested device, please monitor its performance for any irregularities.

Car Recharging

Users can recharge the product through the car cigarette lighter socket. This product supports 12V/24V car chargers with a 10A default charging current. Please recharge using the car charger only while the car's engine is running, to avoid draining your car's battery. In addition, please make sure that the cigarette lighter port of the Car Outlet and the Car Charging Cable are in good condition. Zendure assumes no responsibility for any loss, damage, or injuries caused by misuse.

ZenCharge Recharging

Zendure's ZenCharge Technology is specifically for ZenT2 Port recharging from a level 1 or level 2 EV charging station, offering or 1800W @120VAC or 3600W @240VAC of maximum input power.

Tips:

- EV T1 Adapter is required for use in the North America.

Dual Recharging

Solar recharging or Car recharging can work together with AC recharging or ZenCharge recharging. Combining solar and AC or ZenCharge power, SuperBase V can be recharged up to 3150W on its own, or 6600W when connected to a Satellite Battery.

5.8 AmpUp, Seamless UPS, Motorized Wheels

AmpUp

With Zendure AmpUp technology, the product can power a 5000W max device while the rated output power remains 3800W, avoiding operation failure due to overload protection.

Tips:

- AmplUp is not available when the AC output is turned on in a recharging state (in bypass mode).
- AmplUp is not applicable for all electrical appliances; it's incompatible with appliances that have strict voltage requirements and a rated power over 3800W. Appliances with voltage protection (such as precise instruments) are not supported. AmplUp is more suitable for heating devices. When using AmplUp with an untested device, please monitor its performance for any irregularities.

Seamless UPS

This product supports seamless UPS (Uninterruptible Power Supply). When you connect the grid power to the AC Input Port of the product through an AC cable, you can power electrical devices through the AC Output Ports (AC power will come from the grid and not the power station in this situation). The UPS Ready icon will show up on display after connection. In case of a sudden blackout, the product will automatically switch to the battery-powered supply mode within 16ms, among which the 2 NEMA 5-20 outlets at the bottom of the US version can achieve 0ms switching time. Please test and confirm compatibility before using the product as a UPS. We recommend that you only charge one device at a time and avoid using multiple devices simultaneously to avoid triggering overload protection. Zendure assumes no responsibility for any device failures or data losses caused by misuse of this product.

Motorized Wheels

SuperBase V's rear wheels are motorized to help lighten the load. Pull the handle and move it even on inclined surfaces. Press and hold DC Power Button for 3 seconds to turn ON (or OFF) Motorized mode, then you can trigger the motorized wheels by pulling them rotating for 3 seconds. The default speed is 1.8mph or 3km/h, which can be modified via the Zendure App. You can stop the motorized output by blocking it for 3 seconds. Once your turn on AC or DC outputs or there is any recharging, it will turn OFF Motorized mode (icon flashes) in case any accidents.

Tips:

- Keep out of reach of children and pets.
- No more than 10 degree slope is recommended. Zendure assumes no responsibility for any accidents by misuse of the motorized wheels.

5.9 Firmware Update, Voice Control

Firmware Update

When using it for the first time, please check and update to the latest firmware. Zendure App supports over-the-air (OTA) update.

Voice Control

SuperBase V is easy to integrate with your existing Google or Alexa voice assistant. Just say the word for hands-free status and controls.

Read the Zendure App user guide and access the download link here: <https://zendure.com/pages/download-center>

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.

Tips:

- Do not turn off the device during the firmware updating.
- Please update the firmwares when the capacity is more than 20%, in order to have enough power to complete the update.

6. FAQs

Q: Can SuperBase V6400 (or V4600) connect with Satellite Battery B4600 (or B6400)?
A: No, it can't, as they are different battery types.

Q: How many Satellite batteries can be connected to a single SuperBase V?
A: For each SuperBase V, you can connect up to 4 Satellite Battery units.

Q: Can I run a 240V device on the US version?
A: Yes, SuperBase V has dual voltage feature can handle both 120V&240V AC output within 3800W.

Q: Can SuperBase V be charged with solar panels from a different brand?
A: Yes, SuperBase V can be charged by other solar panels with voltage ranging from 12V to 150V, Zendure's 200W and 400W Solar Panel has been thoroughly tested and remain our recommendation.

Q: How to store SuperBase V?
A: For long-term storage, please charge and discharge this product once every 3 months. That is, discharge the product to 50% first, and then recharge it to 60%.

7. Troubleshooting

Icon	Issue	Troubleshooting
OVERLOAD	Overload Protection	Normal operation will be resumed automatically after you remove the overloaded device and restart the product. Electrical appliances should be used within rated power.
🔥	High Temperature Protection	It can be resumed automatically after the battery temperature rises above 32°F (0°C).
❄️	Low Temperature Protection	It can be resumed automatically after the battery temperature rises above 32°F (0°C).
🔋	Battery Failure	Contact Zendure Customer Service for further information.
📄	Error Code	Refer to the Zendure App for details
🔄	Reset	Reset: Press and hold AC Power Button and LED Button at the same time for 5 seconds. Cases that may require a reset: 1. Can't connect to the internet; 2. Faded to bind the SuperBase V; 3. The display can't be on but the indicator is on; 4. There is no output from the USB(C) ports; 5. The display is abnormal; 6. The display is frozen; 7. Crash
🔋	Inaccurate Battery Level	Calibration: After firmware updated, discharge the product to 0% power and then charge it to 100% power within 6-20 hours or below.

No.	Item	Indicator	Display
5	WiFi status	Online / Offline	IoT Indicator on / WiFi icon on / WiFi icon flashes
6	AC outputs on	Briefly Press AC Power Button / AC Power Indicator on	AC Output & Zen AC Output icon on
7	AC outputs off	Briefly Press AC Power Button / AC Power Indicator off	AC Output & Zen AC Output icon off
8	Switch AC outputs modes	Press AC Power Button for 1 second	Zen AC Output 6-20" or RV* icon on
9	DC output on	Briefly press DC Power Button	DC Power Indicator on / DC Out icon on
10	DC output off	Briefly press DC Power Button	DC Power Indicator off / DC Out icon off
11	Show AC Charge	AC Charge Speed Switch toggles to the bottom	Show AC Charge icon on
12	Turn on LED Light	Briefly press LED Button	LED Indicator on / LED Light icon on
13	Turn off LED Light	Briefly press LED Button	LED Indicator off / LED Light icon off
14	Switch LED Light modes	Press LED Button for 1 second (Ambient, Illuminated, SOS)	LED Indicator on / LED Light icon on
15	Child Lock	Press AC Power and IoT Reset Button together for 1 second	Child Lock icon on

* When there is AC or ZenCharge recharging, RV Mode will exit (Zen AC Output RV icon off).

5.4 Connect with Satellite Battery

SuperBase V can be connected to Satellite Battery for capacity expansion. A Battery Cable* (not included) is needed. One SuperBase V can connect with max. 4 Satellite Battery units. It's recommended stocking ONLY one Satellite Battery on top in case crushed. Refer to the user manual of the Satellite Battery for detailed instructions.

Tips:

- It's recommended that both SuperBase V and Satellite Battery are turned off before connection.
- The Satellite Battery icon will show up on display after connection; then you can start charging or discharging.
- Do not connect the SuperBase V to the battery during charging/discharging process.
- Do not touch the metal pins of the ports by hands or other objects. Gently clean them with a dry cloth when necessary.
- Tightly connect the Battery Cable with SuperBase V and Satellite Battery. Failing to comply may heat the connection and affect the device's performance or lead to a fire.
- * The Battery Cable has 2 different ports at each end.

8. FCC Caution:

FCC STATEMENT

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, and
(2) This device must accept any interference received, including interference that may cause undesired operation.

2. any Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

NOTE:
This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:
- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment to an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

FCC Radiation Exposure Statement

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 20cm between the radiator & your body.

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