ZENDURE

SuperCharged

SuperBase V6400/4600 User Manual



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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.

CONTENTS

1. Before You Begin
2. Specifications
3. Safety Guidelines
   3.1 Usage
   3.2 Disposal Guide
4. Important Tips
5. Getting Started
   5.1 What's in the Box
   5.2 Product Overview
   5.3 Operation Guidelines
   5.4 Connect with Satellite Battery
   5.5 Connect with Home Panel
   5.6 Recharging
   5.7 AmpUp, Seamless UPS, Motorized Wheels
   5.8 Firmware Update, Voice Control
6. FAQs
7. Troubleshooting
8. FCC Caution

1. 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.

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 546 x 442mm	
Capacity	6,458Wh (126Ah/51.1V)	4,608Wh(90Ah/51.2V)
Wireless Type	Bluetooth, Wi-Fi	

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⎓3A
Andersen (1)	12.6V⎓30A, 378W Max
USB-C1, USB-C2	5V⎓3A, 9V⎓3A, 12V⎓3A, 15V⎓3A, 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 Output support either 240V or 120V output at a time.
** 126W refers to the combined maximum output power of the Car Outlet and the DC5521 ports together.
*** Total USB-C Output 200W Max.

Inputs	SuperBase V6400	SuperBase V4600
AC Inlet (1)	120V~60Hz, 1800W Max or 240V~60Hz, 3600W Max	
XT90 (1)	12-150VDC, 25A, 3,000W Max	
Total AC and XT90	1C charge 5,110W	1C charge 4,608W
Battery		
Cell Chemistry	SBS (Semi-solid State Battery)	LFP
Cycle Life	3,000+ cycles	6,000+ cycles
Temperature*		
Optimal Operating Temperature	59°F to 95°F (15°C to 30°C)	
Discharge Temperature	-4°F to 140°F (-20°C to 45°C)	
Charge Temperature	-4°F to 113°F (-20°C to 45°C)	0°F to 113°F(0°C to 45°C)
Storage Temperature	14°F to 95°F (-10°C to 35°C)	

* The above temperature figures refer to 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~30°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 30% first, and then recharge it to 60%.

35°C

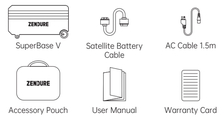
For safety reasons, do not store this product in an environment above 35°C or below -10°C for a long time.

If the power of this product is lower than 1% after use, please charge it to 60% before storing it. Leaving the battery discharged for long periods of time will cause 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

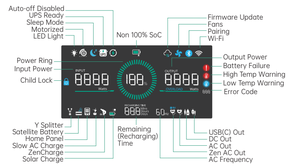
Accessory Pouch | User Manual | Warranty Card

5.2 Product Overview

Interface



Display



5.3 Operation Guideline

No.	Item	Action	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	Power Indicator on	off
4	Pairing	Press and hold IoT Reset Button for 5 seconds	IoT Indicator flashes	Pairing icon flashes
		Pairing completed	IoT Indicator on	Pairing icon on
5	Wi-Fi status	Online	IoT Indicator on	Wi-Fi icon on
		Offline	/	Wi-Fi icon flashes
6	AC output on	Briefly Press AC Power Button	AC Power Indicator on	AC Output & Zen AC Output icon on
7	AC output off	Briefly Press AC Power Button	AC Power Indicator off	AC Output & Zen AC Output icon off
8	Switch AC output modes	Press AC Power Button for 1 second	/	Zen AC Output or AC Output 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	Slow AC Charge	AC Charge Speed Switch toggles to the bottom	/	Slow 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, Illumination, 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

5.4 Connect with Satellite Battery

SuperBase V can be connected to a Satellite Battery for capacity expansion. A Battery Cable* is needed. One SuperBase V can connect with up to 4 Satellite Battery units. Only stack one Satellite Battery on top of the main unit.
Refer to the user manual of the Satellite Battery for detailed instructions.



Tips:
. It's recommended that both SuperBase V and the Satellite Battery are turned off before connection.
. Make sure to tighten the screw on both sides after connecting the battery cable.
. The Satellite Battery icon will show up on the display after connection; then you can start charging or discharging.
. Do not connect SuperBase V to the battery during the charging/discharging process.
. Do not touch the metal pins of the ports with your hands or other objects. Gently clean them with a dry cloth when necessary.
. Tightly connect the Battery Cable to SuperBase V and the Satellite Battery. A bad connection can affect the device's performance or lead to a fire.

* The connectors at either end of the battery cable are not identical.

5.5 Connect with Home Panel

Zendure's 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 the AC Power Button for 3 seconds to connect with Home Panel.
Refer to the latest Zendure App for more information.



Tips:
. It's recommended that both SuperBase V(s) and Home Panel are 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 with your hands or other objects. Gently clean them with a dry cloth when necessary.

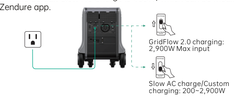
5.6 Recharging

AC Recharging

Zendure's GridFlow 2.0 Real-Time Bidirectional Inverting Technology is specifically for AC recharging, offering 2,900W @230VAC 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.



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.

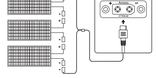


Tips:
. Please use the AC Charging Cable in the box. Plug directly into an AC wall outlet and make sure that the wall outlet and circuit are rated for more than 13A. Otherwise, reduce the unit charging speed via the Zendure App. Zendure assumes no responsibility for any consequences of product misuse, including but not limited to charging with an unsuitable wall outlet, circuit, or power cable.

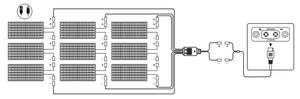
Solar Recharging

Users can connect solar panels as shown in the figure to recharge the product. The product supports 12-150VDC* input, 25A max current, and 3,800W max charging power.

Wire max 3 solar panels in series



Wire max 3 series group solar panels in parallel**



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 not above 150Voc to avoid damaging the product.

* MPPT Voltage Range is 12-120VDC, Open Circuit Voltage is 150VDC.
** MC4 parallel cable is not included.

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 3,600W@230V of maximum input power.



* 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 5,110W(SBV6400)/4,608W(SBV4600) on its own, or 6,600W when connected to a Satellite Battery.

5.8 AmpUp, Seamless UPS, Motorized Wheels

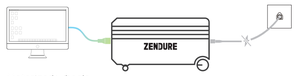
AmpUp

With Zendure AmpUp technology, the product can power a 5,000W max device while the rated output power remains 3,800W, avoiding operation failure due to overload protection.

Tips:
AmpUp is not available when the AC output is turned on in a recharging state (in bypass mode).
AmpUp is not applicable for all electrical appliances; it's incompatible with appliances that have strict voltage requirements and a rated power over 3,800W. Appliances with voltage protection (such as precise instruments) are not supported. AmpUp is more suitable for heating devices. When using AmpUp 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 can automatically switch to the battery-powered supply mode within 13ms. 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 to get them rotating for 3 seconds. The default speed is 3km/h, which can be modified via 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) .

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.

5.8 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 firmware when the capacity is more than 20%, in order to have enough power to complete the update.

6. FAQs

Can SuperBase V6400 (or V4600) connect with a Satellite Battery B4600 (or B6400)?
No, it can't, as they are different battery types.
How many Satellite batteries can be connected to a single SuperBase V?
For each SuperBase V, you can connect up to 4 Satellite Battery units.
Can SuperBase V be charged with solar panels from a different brand?
Yes, SuperBase V can be charged by other solar panels with voltage ranging from 12V to 150V, Zendure's 200W and 400W Solar Panels have been thoroughly tested and remain our recommendation.
How do I store SuperBase V?
For long-term storage, please charge and discharge this product once every 3 months. That is, discharge the product to 30% first, and then

7. Troubleshooting

Icon	Issue	Solution
OVERLOAD	Overload Protection	Normal operation will resume automatically after you remove the overloaded device and restart the product. Electrical appliances should be used within rated power.
	High Temperature Protection	Normal operation will resume automatically after the battery cools down.
	Low Temperature Protection	Normal operation will resume automatically after the battery temperature rises above 32°F (0°C).
	Battery Failure	Contact Zendure Customer Service for further information.
888	Error Code	Refer to the Zendure App for add period
/	Reset	Press and hold AC Power Button and LED Button at the same time for 3 seconds. Cases that may require a reset: 1. Can't connect to the internet 2. Failed to pair with other device 3. The display will not turn on even though the indicator lights are on 4. There is no output from the USB(C) ports 5. The display is abnormal 6. The display is frozen 7. The device has crashed
/	Inaccurate Battery Level	Calibration: After firmware update, discharge the product to 0% power and then charge it to 100% power until input shows 200W or below.

8. FCC Caution:

FCC STATEMENT

1. 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 into 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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