



Volta 700X Portable Power station

Product Manual

This Product Manual contains important instructions that should be followed during the operation of the Stage Zero Volta 700X product. The information contained in this manual is subject to change by Stage Zero (Pty) Ltd (hereinafter referred to as Stage Zero) without prior notice. Please refer to the Stage Zero Customer Portal for the latest version of the Product Manual.

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1. Safety Precautions

1.1 General

This section contains important instructions that should be followed during operation of the Volta 700X Unit (hereinafter referred to as "Device/s").

It is important and necessary to read the Stage Zero User Manual carefully before using the Device. Failure to do so or to follow any of the instructions or warnings contained in said document can result in electrical shock, serious injury, or death.

1.2 Risk of Unsafe Operation

When using this Device, basic safety precautions should always be followed to reduce the risk of personal injury. Improper operation, maintenance or modification of this Device could result in serious injury and property damage. This Device may not be modified and/or used for any application other than for which it was designed for.

1.3 Shock Hazard Warning



Any contact with electrically active parts of the Device, such as electrical terminals can result in injury or death, irrespective of whether the Device and the other electrical equipment of the property have been disconnected.

1.4 Battery Safety

The Device contains LiFePO₄ cells (battery).

The following safety instructions must be followed:

- Do not locate the Device near external heat sources or in direct sunlight.
- **Do not attempt to open the Device and connect additional batteries of any type**
- Do not pack flammable or hazardous materials around the Device.
- Do not generate steam or store corrosive chemicals in the vicinity of the Device.
- Do not mutilate the batteries, the batteries contain an electrolyte that is toxic and harmful to the skin and eyes.

1.5 General Safety

The following list highlights the general safety precautions that need to be followed:

- Before attempting to operate the Device and other electrical equipment, all instructions should be read and understood. All other maintenance and repair requirements must be reported to the help line (via the customer portal) who will arrange for the necessary work to be conducted.

- **Reliance on Life Sustaining Equipment**
 - The backup services are scoped on variable assumptions that may change over time and should **NEVER** be relied on as sustainable source of power for any life sustaining equipment.
 - Examples of life sustaining equipment include, but are not limited to, breathing apparatus, life monitoring systems or lung and heart respiratory machines.
- **Do not** allow children to touch or handle any part of the Device under any circumstances
- **Do not** repair problematic Devices (except for fuse replacement) on your own. If the Device is faulty or not operational, please call the help line for assistance or log a ticket via the customer portal.
- This Device is not intended for operation by persons (including children) with reduced physical, sensory, or mental capabilities, or lack of experience and knowledge, unless they have been given supervision or instruction concerning operation of the Device by a person responsible for their safety.
- It is hazardous for anyone other than a competent authorised Stage Zero accredited Contractor to carry out any service or repair on the Device.

1.6 Emergency Situations

1.6.1 Leaking Batteries

If the Device (or any part thereof) has any indication of a liquid like substance leaking from it, avoid contact with the substance and contact Stage Zero **immediately**.

If one is exposed to the leaked substance, immediately perform the actions described below:

- Inhalation: Evacuate the contaminated area and seek medical attention.
- Contact with eyes: Rinse eyes with flowing water for 15 minutes and seek medical attention.
- Contact with skin: Wash the affected area thoroughly with soap and water and seek medical attention.
- Ingestion: Induce vomiting and seek medical attention.

1.6.2 Fire

NO WATER!

DO NOT use water to extinguish fires that arise from the Device (or any part thereof). Should a fire occur, use a specialist Lithium fire extinguisher to extinguish the fire, alternatively use a DCP (dry powder) or CO₂ (carbon dioxide) type fire extinguisher.

1.6.3 Wet Batteries

If the Device (or any part thereof), is wet or submerged in water, do not let people access it, and contact Stage Zero for technical support.

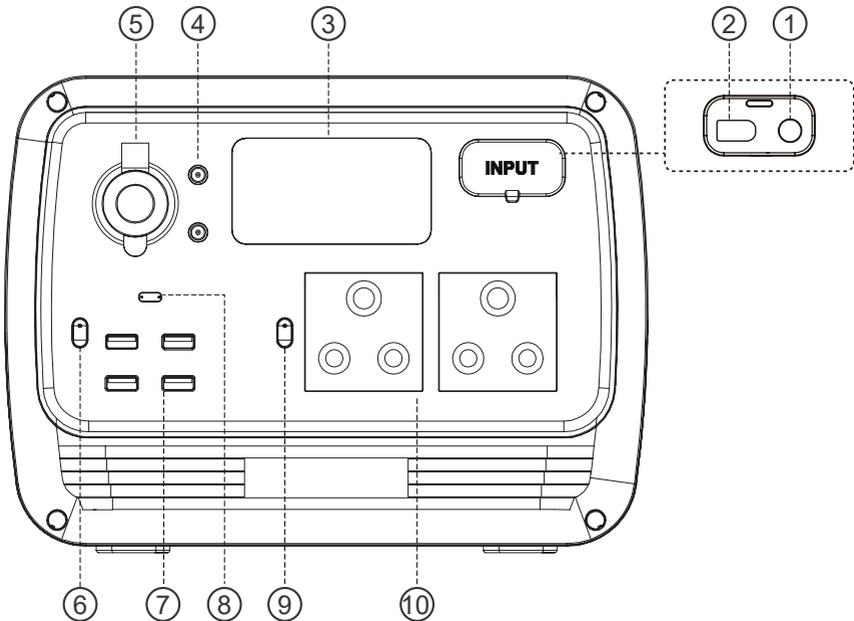
1.7 Prohibitions

It is prohibited to:

- Connect any additional batteries of any type to the Device
- Disassemble the Device (or any part thereof) in any form or manner
- Cosmetically change the exterior of the Device, e.g., painting, etc.

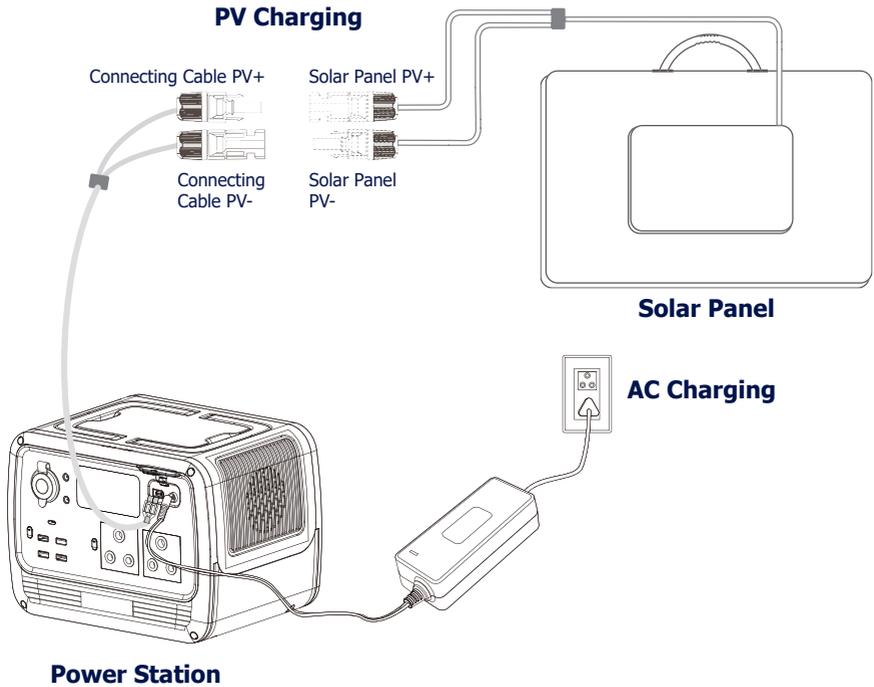
2. Quick Guide

- 1) Adapter Charging Port
- 2) DC Charging Port
- 3) LCD Screen
- 4) DC 5521 Output Port
- 5) Cigarette Lighter Port
- 6) DC Output/Wireless Charging Power Button
- 7) USB-A Output Port
- 8) USB-C Output Port
- 9) AC Power Button
- 10) AC Outlet



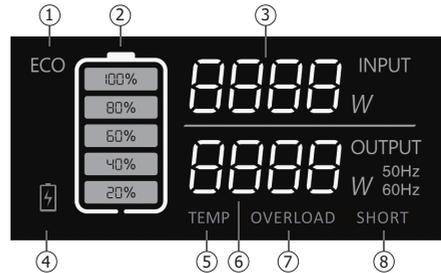
3. Charging

- 1) Up to 400W input power
- 2) AC + PV dual recharge supported
- 3) AC Recharge
- 4) Solar Recharge



4. LCD Screen Guide

1. ECO-Mode Icon
2. Battery Capacity
3. Input Power
4. Alert Icon for low Voltage
5. Alert Icon for Temperature Anomaly
6. Output Power
7. Alert Icon for Overload
8. Alert Icon for Short Circuit



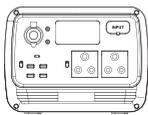
Attention:

Screen turns off when all output turns off in 2 seconds.
Screen turns off while on standby.

How to program your power station, turn Eco Mode on or off and change the working frequency:

1. To Enter Settings Mode: Turn "AC" mode to the off position.
2. Press "AC" and "DC" buttons at the same time for 2 seconds to enter Settings Mode.
3. To Change Frequency Setting: Once in Settings Mode, press the "AC" button to switch frequency of the AC output ports to 50 Hz depending on your location.
4. Eco Mode: Once in Settings mode, press the "DC" button to turn the Eco Mode on or off.
5. Press and hold the "AC" and "DC" buttons at the same time for 2 seconds to save and exit Settings Mode.

5. What's in the Box



①
Power Station



②
AC-DC Adapter
(Charging cable included)



③
User Manual



⑥
Charging Adapter Cable
(XT60-F)



④
Car Charging Cable
(XT60-F)



⑤
Solar Charging Cable
(MC4 to XT60-F)

Extra Options

6. General Specifications

Rated power (1400W Surge)	Typical Capacity	Battery Type	Net Weight	Dimensions	Protection LV	Working Environment Humidity	Discharge Temperature	Charging Temperature
700W (1400W Surge)	537Wh	LiFe-P04	7.3kg (Including accessories) (The weight may be subject to slight change without notice)	275*200*202mm	IP20	10%-90%	-20-40°C/	0-40°C/

7. Output Specifications

AC	USB-A x4	USB-C x1	Cigarette Lighter x1	5521 x2	Wireless Charging Pad
220-240VAC ±2 Pure Sine Wave Inverter 100W	5VDC, 3A	100W	12VDC, 10A	12VDC, 10A	15W

8. Input Specifications

Car Charging	AC-DC Adapter Charging	Solar Charging	AC + PV dual Charging
98W@12V 196W@24V	200W DC 25-28V/10A	200W Max DC 12-28V/8A	400W Max

9. Common Loads Runtime/Charges

1. Smart Phone - Around 40-50 Hrs - 10W
2. LED Light Bulb - Around 20-30 Hrs - 20W
3. Television - Around 5-6 Hrs - 75W
4. Electronic Tools - Around 5-6 Hrs - 80W
5. Refrigerator - Around 4-5 Hrs - 90W
6. Slow Cooker - Around 2-3 Hrs - 200W

10. Frequently Asked Questions

Please read the following instructions to ensure safe use:

1. How do I clean my power station?

A: Use dry, non-abrasive cloths to wipe. The power station is suitable for outdoor use. Simple cleaning would be required from time to time to keep the unit in good condition.

2. How do I store my power station?

A: Please store the power station in a dry and cool place at the recommended temperature. Do not expose the power station to humid environments. If you want to store it for a long time, please charge your unit to 80% every 6 months to extend the lifespan of the battery. Remember to turn the unit off before storing.

3. How do I know if my device will work with the power station?

A: **Step 1:** Please refer to the specifications in this manual or on our website for estimated consumption for different types of appliances. Alternatively, refer to the user guide of your appliance or perform an Internet search.

Step 2: Check the rated power of certain ports on the power station. For example, if the AC output port generates 700W of power and your device requires over 700W for an extended period of time, the power station will turn itself off.

11. Customer Portal

The Customer portal is where the User can review, order and manage Stage Zero solutions. It is also from where the User can request support via logging a ticket on the Help tab.

The Customer Portal has the following tabs:

- **Dashboard** (default) – general overview of account.
- **Accounts** – detailed overview of customer's account containing personal information, account payments and billing, installation Certificate of Compliance and application documentation. The User can also settle payments from the Accounts tab.
- **Services** – general overview of what services (subscriptions) are contracted and paid for.
- **Messages** – list of messages regarding account/device status.
- **Help** - allow the customer to submit a ticket/query when a fault occurs.

Note:

When a serious issue occurs such as a fire or complete power outage outside of loadshedding, it is recommended to call the Stage Zero help line which is shown on the customer portal under the help tab.

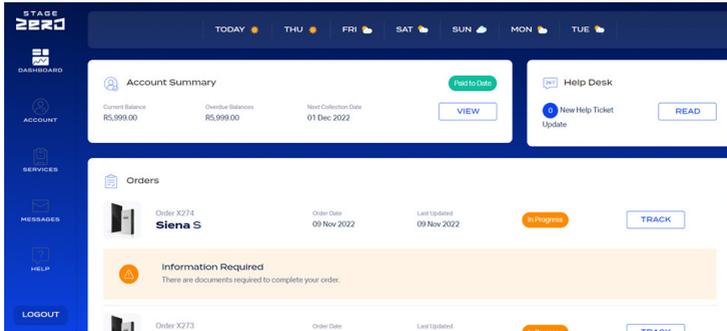


Figure 1: Example of Dashboard

11.1. How to Submit a Ticket

Use the following steps to log a ticket on the Customer Portal:

1. Navigate to Help tab from the Dashboard
2. Select 'Submit Ticket'
3. **Select Service** - From drop down, select most applicable option for type of ticket, e.g., account, PPA service, hardware service, inverter service, solar panel service, etc.
4. **Problem Subject** - Insert a brief description of the problem, e.g., for a noisy inverter use 'Inverter noisy'
5. **Request Description** - Insert more detailed description of the problem
6. Attach any supporting information of the problem, e.g., photos, video clips, etc.
7. **Submit**



Figure 2: Example of Ticket

All tickets that have been logged will be time stamped and can be tracked either on the dashboard or on the help tab.

12. Warranty

Stage Zero warrants this Device against defects in materials and workmanship. This warranty does not apply to defects resulting from normal wear and tear, accidents; damages sustained during; alterations; unauthorised use or repair; neglect, misuse, abuse; and failure to follow instructions for care and maintenance for the product

13. Legal Notice

13.1 Information contained in this manual

- Stage Zero gives no warranty of any kind whatsoever, either explicitly or implicitly, with respect to the information contained herein.

- Stage Zero's copyrighted designs, products and processes contained or described in this document are confidential. This document, either in part, or as a whole, may not be copied or reproduced by any means whatsoever, nor disclosed to third parties for purposes other than for which it is supplied, without the prior written consent of Stage Zero and shall not be furnished to any third party without the prior written consent of Stage Zero.
- Stage Zero, its subsidiaries, the directors, employees, and agents cannot be held liable for the use of and reliance of the information in these documents.

13.2 Disclaimer and Indemnification

Stage Zero shall not be liable for:

- The losses of damage to property, death or personal injury arising from non-compliance with this Stage Zero User Manual.
- The losses not caused by Stage Zero's negligence.
- Stage Zero shall not be liable to either Customer or any other third party under any applicable law, law of delict, in equity, restitution or otherwise for any kind of indirect or consequential loss or damage including loss of actual or anticipated profit or revenue, loss of use or productivity, loss of production or business interruption, loss of goodwill, loss of any contract or loss of opportunity that is connected with any claim arising under or in connection with use of the Stage Zero Device.
- By operating the Stage Zero Device, you indemnify Stage Zero and shall hold Stage Zero harmless against any liability arising from non-compliance with this Stage Zero User Manual.

14. Queries and Support

Email support@stagezero.co.za or visit www.stagezero.co.za for more information.

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