• It is recommended to use a moisture-proof bag to avoid soaking in water if it is used in a humid environment SAFETY INSTRUCTIONS (e.g. riverside, seaside, lakeside, etc.) Take measures to prevent electric shock. If it is soaked in water, please immediately put it in a safe, waterproof, open and ventilated area, and contact the Customer Support. WARNING - Please read the instructions carefully before you use the product. • It is forbidden to force the fan to be blocked during use, or place the product in a non-ventilated environment, You must follow the usage and precautions in the User Guide when using this product. Growatt is not a closed environment, or a dusty environment. responsible for any damage caused by using the product not in accordance with the User Guide • This product is not suitable for medical equipment and precision instruments (including but not limited to Usage CPAP\ECMO) related to personal safety. Electromagnetic fields are inevitably generated during the use of power products, which may affect the Read all the instructions before using the product. normal operation of implantable medical equipment or personal medical equipment. Please consult the Do not put fingers or hands into the product. manufacturer in advance to confirm the restrictions and precautions for using the equipment, and • Do not stack any heavy objects on the product. operate strictly according to the requirements. • To reduce risk of damage to electric plug and cord, pull the plug rather than the cord when disconnecting the • You may use a dry cloth to clean off the dirt on the product. • Please avoid impact, falls or severe vibrations when using the product. Do not use the product after it has been hit by a strong force or dropped from a height. Storage and Transportation • Do not use wires or other metal objects to cause product short circuit. Keep the product out of the reach of children and pets. If your child accidentally swallows product parts, seek • The use of unofficial component is strictly prohibited, which may result in a risk of fire, electric shock, or injury for medical help right away. to persons. For replacement, please check the relevant purchase information on the Growatt official website • For long-term storage, keep the battery level between 30%-60% and store it in a temperature range of -(https://www.growattportable.com). Growatt is not responsible for product accidents and malfunctions $0^{\circ}\text{C}\sim40^{\circ}\text{C}$ /32°F $\sim104^{\circ}\text{F}$ in a room with low humidity and no corrosive gas. If the battery of the product is in a low caused by the use of products not officially provided by Growatt. -power state for a long time, the battery will enter a deep sleep mode, and the battery may even be damaged in Do not disassemble the product or pierce the product with sharp objects. a serious low-power state. To wake the battery from deep sleep, please recharge the portable power station. • Make sure the machine is turned off before installing or unplugging any modules of the machine, otherwise • Do not place the product near a heat source, such as in a fire or a heating furnace. The product should be the power interface may be damaged. stored in a dry environment. Do not place the machine in water or where it may leak. Avoid exposing the product to water. Do not immerse the product in water or get it wet. Do not use the • Be sure to fix it well during transportation to avoid vibration and impact, and make sure that the power of the product in rain or humid environment, otherwise the battery may catch fire or explode product is less than 30%. If you accidentally drop the product into water while using it, please stay away from the product and keep it • Do not store or transport this product with eyeglasses, watches, metal necklaces, hairpins, or other metal in a safe open area until the product is completely dry. The dried product should not be reused again and should be disposed of properly according to the disposal guide in this manual. • Do not use the product in an environment of strong static electricity or magnetic field. Otherwise, it may cause the product to malfunction or serious damage. Disposal Guide Do not place this product in a microwave or pressure cooker. Be sure to completely discharge the machine battery before placing the machine battery in the proper disposal • The operating environment temperature of this product ranges from -10°C to 40°C (from 14°F to 104°F). Using location as per local rules and regulations. Batteries are hazardous chemicals and should not be disposed of in this product in a high temperature environment may result in fire or explosion. Conversely, using the product at ordinary trash cans. Follow local laws and regulations for battery recycling and disposal. ultra-low temperature will seriously degrade the product performance and may cause the product to stop working. If the product itself fails and the battery cannot be fully discharged, please contact a professional battery Do not use any batteries or appliances which have been damaged or modified. Damaged or modified recycling company for further processing. batteries may exhibit unpredictable dangers resulting in fire, explosion or risk of injury Please dispose of damaged and over-discharged batteries and those that cannot be charged. The following situations • If the product catches fire, it is recommended to use fire extinguishing equipment according to the following can trigger the aforementioned conditions: drop, strong impact, severe vibration, short circuit, falling into water, etc. priorities: sand, fire blanket, dry powder, carbon dioxide fire extinguisher, water, or fog. Package Contents Light ----Light Power 2*USB-A Ports VITA 550 Protable Power Station User Manual and Warranty Card 1.8m AC Charging Cable 1.5m Car Charging Cable MC4 to XT60 Solar Panel Charging Cable Getting to Know the VITA 550 AC Fast Charging Power /Indicator Solar Charging Port **40** 17 0 AC Charging Port Indicators The remaining charge time is calculated by the system based on the current power consumption, accurate to 0.1 hour. Remaining Charge Time а Input Power The total input power of wall charge, solar charge, and car charge. b AC Input Indicator VITA 550 is being charged through the wall charger VITA 550 is being charged through the solar panels. d PV Input Indicator Car Input Indicator VITA 550 is being charged through the car charger. f&g Remaining Battery Percentage Display the current remaining battery percentage in real time shutting down. Car Output Indicator VITA 550 is supplying power to external devices via the car output port. i USB-A Output VITA 550 is supplying power to external devices via USB-A port(s). USB-C Output Indicator VITA 550 is supplying power to external devices via USB-C port(s). Output Power The total output power of DC, AC, and wireless charging. Output Voltage and Frequency Display the current AC output voltage and frequency. The remaining discharge time is calculated by the system based on the current power consumption, accurate to 0.1 hour. m Remaining Discharge Time The current total output power is higher than 2000W, the AC output will be stopped for battery protection. Overload Warning The product is not working properly. Check the error codes in the appendix to understand the cause of the error and find the solution. 0 System Alert The temperature of VITA 550 is too high. Please place the product in an open High Temperature Warning The current battery temperature is low, and the charging efficiency will be reduced. Keep using the product, and the charging efficiency will return to normal as the temperature rises. Low Temperature Warning q The product is connected to Bluetooth and can be controlled remotely through the MyGro APP. Bluetooth Indicator Fan Status Indicator The fan is running to cool the product. The product is connected to Wi-Fi and can be controlled remotely through the MyGro APP. AC Power ON/OFF H) To turn on the AC output supply, short press the AC power button, and you will observe the AC power indicator lights up, and the AC output port can be used. Short press the AC output button again, you will observe the AC power indicator lights off and the AC output will be turned off. I) The total output power of the AC output ports is up to 600W (across all ports). When the total output power exceeds the rated power, the product will trigger overload protection, cut off the AC output and prompt an overload alarm. Unplugging the AC load will clear the alarm and restore normal AC output. AC Charging Wireless Charging J) Wireless charging is activated when the DC power is turned on. You can charge wirelessly by placing the device within the wireless charging range on top of the product. This feature is only available for devices that support wireless charging. You can check the wireless charging status by charging status of your smart phone LED Light Power ON/OFF K) When the screen is on, short press the "Light" button to turn on the LED lighting, and when the LED light is on. Short press the "Light" button again, the LED lighting flashes. I) Short press the LED lighting button again, the LED lighting is turned off. The LED lighting patterns cycle in sequence. LED lighting brightness can be set on the APP. N) The light brightness also can be adjusted by the APP.

GROWATT

VITA 550

User Manual V1.0

2*AC Ports USB-A Fast Charging USB-C Port -------- AC Power/Indicator USB Power/Indicator Wi fiRest LED Display f ⊙ ♣ ♣ (b)--7-1000w 600w - (1) ●908v 20Hz-_-38,8_{Hrs} 18.7_{Hrs}- $\begin{picture}(60,0) \put(0,0){\line(1,0){100}} \put(0,0){\line(1,0){100$ (u)(t)(s)(r)(q)(p)(o)(n)Battery Percentage Display: When the product is in a state of net charge, this icon indicates the last bar beating. Wi-Fi Indicator; When Wi-Fi and Bluetooth are turned on, the icon is always on. When Wi-Fi and Bluetooth are turned off, the icon is off. When the Wi-Fi configuration information is reset, the icon flashes. How to Use Before use, please put VITA 550 on a clean and flat ground to ensure that the machine will not be in contact with liquid or tilted, and check whether there are foreign objects on the body. Product ON/OFF A) Press and hold the power button for 1s to turn on the whole machine, and the LCD screen will be lit after turning on. Press and hold for 3s to turn off the whole machine, and the LCD screen will be turned off after B) When the product does not have any operation for 5min, it will enter the sleep mode. At this time, the LCD screen will automatically turn off. When the external charging input or key operation, the LCD screen lights up. To activate the LCD screen, short press the power button. The sleep time can be set on the APP C) The default standby time of VITA 550 is 1h when the device is not at charging or discharging status, the product will automatically shut down after 1h. The standby time period also can be set by the APP USB Power ON/OFF $\hbox{D) When the screen is on, short press the USB power button to use the USB output supply. Short press the USB}\\$ output button again to turn off the USB output. E) The maximum output power of the USB-A port is 12W, the maximum output power of the USB-A fast charging port is 18W, and the maximum output power of the USB-C port is 100W. F) When the screen is on, short press the DC power button, the indicator light is on, and the DC output port (including the car output port and the DC 5521 output port) can be used. Short press the DC output button again, the indicator light will be off, and the DC output will be turned off. G) The DC 5521 output port allows a maximum output current of 3A, and the car output port supports a • When charging, please make sure to place the machine away from liquids, flammables, and combustibles • If the product is charged immediately after full-load discharge, over-temperature protection may be triggered for battery safety reasons. It typically takes 2-3 hours for the product to cool down before another charge. • The products recharging temperature range is 0°C~40°C / 32°F~104°F. Charging within the ideal charging ambient temperature temperature 20°C~30°C / $68^{\circ}F$ can greatly extend the battery life. below to connect and recharge the product. • The AC charging port of this product is configured for AC charging simultaneously. There are two charging speed modes: fast charge and slow charge, for users to choose. AC charging is in fast charge mode by default. You can switch between AC fast and slow charge modes through the APP or by short pressing the fast and slow charging switch button. After restarting, it will remember the last used mode. 0 To turn on AC fast charge Press the AC charge power button and the LED light turns on 24V/200W DC Solar Panels X 1 ▶ 🕮 💿 0 0 Î MC4 •• **•** •

LED Display

0 0-

Car Outlet

--- 2*DC 5521 Outlets

--- DC Power/Indicator

CONTACT US

CATALOGUE

Safety Instructions Package Contents

LED Display How to Use How to Recharge

Getting to Know the VITA 550

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to connect the two solar panels in parallel, and then use the MC4-XT60 adapter cable to connect to the VITA 550for charging. B) connect with Other Branded Solar Panels Users can purchase other brands of solar panels (supporting MC4 Connector) to power the VITA 550 through their own channels. As long as the voltage and current are within the DC input range of VITA 550 (12-24V/10A Max/ 240W Max), users can charge VITA 550 through the MC4 to XT60 adapter cable. Please follow the figure below to connect the positive and negative poles. Incorrect connection may result in damage to the product. During the warranty period of product is damaged due to quality problems of the third-party solar panels or improper operation, Growatt is not responsible for free maintenance during the warranty period. XT60 Watt+ Feature To avoid operation failure caused by charging overload protection of electrical equipment, when the total output power exceeds the rated output power, it is recommended to enable the Watt+ feature on the APP first, so that the product can supply power to high-power devices. When using the Watt+ feature, it is important to note the followings: • This product turns off the Watt+ feature by default. This feature can be turned on or off by using the MyGro APP. This feature is not available in the following cases: a) When the AC output is used synchronously in the charging state. b) When this feature is turned off. The Watt+ feature is suitable for heating equipment and electrical equipment, but not for all electrical appliances. It is not suitable for some electrical appliances equipped with voltage protection or equipment that requires high voltage accuracy of the equipment. Whether the device can use the Watt+ feature, please PS: The product AC output port has 600W rated power and 1200W peak power. It is recommended to confirm the functional power of the device before use, and ensure that the total power of all devices is lower than the rated power. Watt+ is disabled when AC power is connected to VITA 550. Pairing the Product with Your Device When the product is connected to the APP for the first time, you need to use Bluetooth pairing for network configuration. Please get as close as possible to the product and make sure the phone is within the Bluetooth coverage of the device. • Download "MyGro" APP from App Store or Google Play. Or you may download it from the official website http://www.growattportable.com or scan the QR code from the sticker attached with the device (For first-time users, you need to follow the instruction and complete account registration on the APP). • You may choose any one of the following ways to connect your portable power station: Remote Wi-Fi Connection a) Go to the Device page and click Add Device. Or select the "+" button at the top right of the page, b) Short press the Wi-Fi Reset button to send Bluetooth & Wi-Fi signals and connect with your mobile devices. c) Follow the instruction on the APP and finish the rest of the setup.

Getting to Know the VITA 550

Notice Before Charging

AC Charging

PV Charging

responsible for any consequences.

below to connect and recharge the product.

AC charging method will be preferred

A) Connect with Growatt Solar Panels

not operating in accordance with the instructions.

 Standard Charging Mode: 300W Max, Fast Charging Mode: 500W Max Press the Fast Charge button to switch to Fast Charging Mode.

If your portable power station has not been used for more than 3 months, it is recommended to discharge the

This product supports charging and discharging at the same time. In the case of AC charging, only DC discharge

. .

The Car charging port for the VITA 550 is located on the left side of the product. Please follow the instructions

The Vita 550 supports the character of rated power 240W and DC voltage output of 12V~24V solar panels to

The series and parallel connection methods of solar panel to ensure that you are connecting the solar panels

You can charge the VITA 550 by connecting up to two 12V solar panels in series or using one 24V solar panels Connect the MC4 connector on the solar panel to the MC4-XT60 adapter cable, and supply power to the VITA 550 through the XT60 port on the side of the VITA 550. When you need to connect two solar panels, it is recommended

correctly for charging. If the product is damaged due to incorrect connection not in accordance with the instructions, Growatt will not be responsible for the free maintenance of the machine within the warranty period. The solar charging ports for the VITA 550 are located on the left side of the product. The VITA 550 DC input range is 12V-24V. You must ensure that the input voltage is within the specified range. When the input voltage exceeds 24V, the excessive voltage may cause damage to the product and the VITA 550 will trigger over voltage protection. • This product doesn't support AC and solar panel charging simultaneously. If connected at the same time, the

charge this product. Please use it strictly in accordance with the solar panel specifications.

 VITA 550 can be charged through the car port on the car. This function needs to be used after the car is ignited to prevent the car battery from being depleted and unable to start. At the same time, ensure that the car charger port and the car cigarette lighter are in good contact. Growatt will not be responsible for any loss caused by

(±) (0)

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(0)

Connecting to Two 24V/100W Solar Panels in Parallel

MC4

36h42min

XT60

10

Do not use a charging cable not officially designated by Growatt for charging. Otherwise, Growatt will not be

battery to 0% and then charge it to 100% to avoid calibration errors after a long time of inactivity.

• This product supports wall charging, solar panel charging, and car charging.

Watt Plus AC 245 v Q DC 0w How to Connect to APP EPS mode • EPS Use Guide When using wall charging as the input method, turning on the AC output and plugging in devices on AC ports will automatically activate the EPS mode. Please connect the device according to the figure below to enable the EPS function. • Precautions before Using the EPS Feature This function is a non-professional EPS function and does not support 0 ms switching. Please do not connect it to equipolate the context of the equipolate the context of the equipolate the equipolatement that is highly sensitive to uninterrupted power supply, or perform multiple tests before use. EPS only supports the use of electrical appliances below 600W, and do not use other devices at the same time during use to avoid overload protection. EPS function is only supported when one VITA 550 is running independently, and it is not available when multiple VITA Growatt is not responsible for equipment failure or loss of data if the instructions are not followed. Local Bluetooth Control a) Go to the Device page and click Pair via Bluetooth. Or select the "+" button at the top right of the page, then select Fast Pair. b) Short press the Wi-Fi Reset button to send Bluetooth & Wi-Fi signals and connect with your mobile devices. c) Follow the instruction on the APP and finish the rest of the setup. d) Once you complete the connection setup, you may remotely control your portable power station through local connection (Bluetooth) or remote connection (Wi-Fi). Using Multiple Mobile Devices to Control the Product If multiple users need to remotely control the product, the master account needs to authorize other MyGro Go to Device, select the product from the device list to enter the product details, and then click the ⟨ô⟩ to enter • Select Share device, enter the account ID of the device to be shared, and send a pairing invitation.

Pairing the Product with Your Device If the device is already bound to a mobile device, you need to un-pair the product from the current device before re-pairing it to the new mobile device. After re-pairing, you can use the new mobile device to remotely control • Un-pair from the existing device. Method 1: Un-pair using APP a) Go to Device, select the product from the device list to enter the product details, and then click to enter so? b) Click Remove Device and confirm. Method 2: Reset Bluetooth/Wi-Fi to un-pair c) Press and hold the Wi-Fi Reset button on the device for 3 seconds until you hear a beep. The device pairing record is cleared successfully. After successfully un-pairing the device, please login to the APP on the new mobile device to pair the device. (Please refer to the steps in I.Pairing the Product with Your Device.) Output ‰ ∧ 0 w 輸出 Ow 36h42m Unlink and Delect A Share device Q DC OW 15 **Technical Specification** Model Name General Net Weight Dimensions 12.2x8.4x7.8in (310x213x197.5mm) Capacity 22.4V/537.6Wh Wi-Fi Bluetooth Support APP Support Cooling Method Air Cooling Input AC Input 220-240V~, 50Hz / 60Hz, 6.5A Max

• After the invited account accepts the invitation, the device is shared successfully. * If the master account unpairs from the device, the associated shared account will be un-paired simultaneously and the device cannot be controlled remotely VITA 550 Device ID VITA 550 [ii] Model 16 Optimal Operating Temperature Recommended (Optimal) 20°C~30°C / 68°F~86°F Ambient Temperature for Use -10°C~40°C / 14°F~104°F Discharge Ambient Temperature Charging Ambient Temperature Storage Ambient Temperature -10°C~45°C / 14°F~113°F *Whether this product can be charged or discharged depends on the actual temperature of the battery pack FAQ Can I take VITA 550 on a plane? No, you can't. This product is a lithium battery product. According to international air transport regulations, lithium battery products exceeding 100Wh cannot be carried on the plane. Why does the VITA 550 not work properly when the total output power of the device is within the rated First, please check whether the charge of the product is too low and charge it sufficiently prior to use. Secondly, $check\ if\ the\ surge\ power\ usage\ of\ the\ equipment\ exceeds\ the\ instantaneous\ peak\ power\ of\ the\ VITA\ 550.\ If\ so,$ you should use Growatt higher power products. Why does the VITA 550 make noise when in use? The product contains air cooling system, and the built-in fan helps the product to dissipate heat. A slight noise when the product is in use is normal. Will VITA 550 automatically shut down? VITA 550 supports power saving function. By default, the LCD display will turn o ffafter 5 minutes of inactivity, and will automatically shut down after another 1 hour of inactivity. You can change the automatic screen-off and automatic shutdown time via MyGro APP. How to clean VITA 550? If the VITA 550 needs to be cleaned, please wipe it with a dry, non-abrasive cloth or use a special cleaner for LCD screens to achieve better cleaning results. Do not let water enter the inside of the product, which may cause damage to the circuit or parts!

Troubleshooting

Indicators

Unable to

VITA 550

is not my devices Troubleshooting

Check if the charging cable is

plugged in properly.

Please check if any error

codes are displayed.

Didn't find any of the problems above

Check if the load(s) are

plugged in properly.

Please check the AC/DC power indicator

supply and see if the output

power is turned on.

Please check if the battery is too low

Please check if the device's

startup power exceeds the surge peak of VITA 550.

Please check if any error

codes are displayed.

Didn't find any of the

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DC Input Output USB-C Lifecycle BMS

12-24V === 10A Max AC Output 230V~, 50Hz, 600W Type.(Surge 1200W) USB A-FAST Charge 5V=== 3.4A, 9V=== 2A,12V=== 1.5A, 18W Max 5V/9V/12V/15V === 3A,20V === 5A, 100W Max Car Outlet 12V === 10A DC5521 Output Watt+ Maximum Supported Power 1050W (Need to Use APP to Start) Wireless Charging 15W Max LED Lighting Battery Information Battery Type 32700-6.0Ah, LiFePO4 Over/Under Temperature Protection, Under/Over Voltage Protection, Over Charging Protection, Over Discharging Protection. Overload Protection, Short Circuit Protection Short-Term Storage (within 3 months) Temperature: -10°C ~ 45°C Long-Term Storage (within half a year) Temperature: $0^{\circ}\text{C} \sim 40^{\circ}\text{C}$ (with a charge of $30\% \sim 60\%$ SOC) Battery Storage *Please charge it in time after the storage period. **Error Codes** Indicators Problem Description Restart the portable power station. If the problem persists after several attempts, System Alert A00 please contact Growatt Customer Service for repair. Please check if the fan is blocked. If there is a blockage, please turn off the machine and A01 Fan Blockage remove the blockage, then restart the product to return to normal. If the problem persists, please contact Growatt Customer Service for repa High Temperature Turn off the product and place it in an open area for 2-3 hours. After cooling, the A02 Warning product will continue to work normally. The AC output is overloaded. Unplug the load(s) on the AC output port(s) and keep the total AC output power within 600W to resume normal operation. Overloading $\,$ for a long time may cause damage to the product. Low Battery The battery voltage is too low. Please recharge the battery in time. A05 PV Over PV input voltage is too high. Please check the status of the solar panel. If the output Voltage voltage of the solar panel is normal, please contact Growatt Customer Service for repair. Please check the output power of your USB devices. Remove your USB device(s) if the output exceeds the maximum output of the USB port(s). A06 USB Output PV Board Over Disconnect the solar panels from the portable power station to resume normal operation. Discharge Over Turn off the product and place it in an open area for 2-3 hours. After cooling, the A09 Turn off the product and place it in an open area for 2-3 hours. After cooling,

the product will continue to work normally.

normal operation. If the problem persists, please contact Growatt

Turn off the product and place it in an open area for 2-3 hours. After cooling,

the product will continue to work normally Please make sure the total output power is with in the acceptable range. Remove the excess loads to resume normal operation. If the problem persists, contact Growatt

Customer Service for repair.

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Customer Service for repair.

Description charging cable is in good contact. Check whether there is a fault code displayed, and if so, follow the troubleshooting guide. Contact Growatt Customer Service for repair. Please make sure the load(s) are in good connection with the output port(s) Press the AC/DC power button to turn on AC/DC output. You should see the AC/DC indicator light up once the output power is turned on. Please recharge VITA 550 with the provided power cable Double check that the interface of the charging cable is in good contact. Double check that the interface of the charging cable is in good contact. Contact Growatt Customer Service for repair

High Battery Temperature Low Battery Continue using the portable power station, the temperature will rise and the product will A11 Temperature resume normal status. If the error persists, contact Growatt Customer Service for repair. Restart the portable power station. If the problem persists after several attempts, please contact Growatt Customer Service for repair. F00 Please check if there is a problem with the output loads. Remove the loads to resume Output Short F01

Circuit

Product Over

Temperature

Overload

F02

F03