



PATRIOT POWER GENERATOR 2500X USER MANUAL



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- C.** Cannot guarantee the accurate translation of this manual into languages other than English. Approved 4Patriots content is contained within the English language version, which is posted at www.patriotpowergenerator.com

DATE AND EDITION

September 2024, 1st Ed.

CONTACT INFORMATION

Billing & General Customer Support

2920 Berry Hill Dr., Suite 300
Nashville, TN 37204
USA

1-800-304-4202
help@patriotpowergenerator.com

4Patriots®



Before using this unit, please read ALL instructions and information in this user manual.

PLEASE READ THIS ENTIRE MANUAL BEFORE ATTEMPTING TO USE THIS PRODUCT.

WARNING

- 1. Avoid dangerous environments.** Do not charge this item in rain, snow or other damp environments. Do not use this item or charger in the presence of explosive atmospheres (gaseous fumes, dust or flammable materials) because sparks may be generated when charging or discharging this item, possibly causing fire.
- 2. Charge in a well-ventilated area.** Do not allow smoking or open flames near a charging battery. Use caution when charging outdoors; surface of generator may get very hot. Handle with care.
- 3. Do not burn or incinerate this item.** This item may explode, causing personal injury or damage. Toxic fumes and materials are created when batteries are burned.
- 4. Do not crush, drop or damage this item.** Do not use this item if it has received a sharp blow or has been dropped, run over or damaged in any way (e.g., pierced with a nail, hit with a car, etc.).
- 5. Do not disassemble.** There are no serviceable parts. Disassembly increases the risk of electric shock, fire and exposure to battery chemicals that may cause personal injury or damage.
- 6. Battery chemicals cause serious burns.** Never allow battery chemicals into contact with skin, eyes or mouth. If this item leaks battery chemicals, use rubber or neoprene gloves to dispose of the leaked chemicals. If skin is exposed to battery fluids, wash with soap and water, and rinse with vinegar. If eyes are exposed to battery chemicals, immediately flush with water for 20 minutes and seek medical attention. Remove and dispose of contaminated clothing. Do not inhale vented fumes or smoke. Please contact the manufacturer immediately for instructions on returning or disposing of the defective unit.
- 7. Do not short-circuit.** This item will short-circuit if a metal object makes connection to the AC or DC output ports. Do not place this item near anything that may cause a short circuit, such as coins, keys or nails. A short-circuited battery may cause fire and personal injury.
- 8. Never charge or jump-start a frozen battery.**
- 9. Store this item in a cool, dry place.** Do not store this unit for more than 10 days in an environment where temperatures may exceed 120°F (49°C), such as direct sunlight, a vehicle or metal building during the summer. Doing so may cause damage to the unit.
- 10. This product is not intended for commercial applications.**

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ABOUT THE PATRIOT POWER GENERATOR 2500X

The Patriot Power Generator 2500X is the latest generation of powerful and portable solar generators from 4Patriots. It's silent and fume-free, and safe to use indoors. Use your Patriot Power Generator 2500X to protect your family from power outages, or to take with you on your outdoor adventures. With advanced engineering and a robust 3,500 lifecycles, the Patriot Power Generator 2500X can provide the backup power protection you need for years to come. Here are qualities that set the Patriot Power Generator 2500X apart from the rest:

SAFETY

No emissions — none. Unlike fossil fuel-powered generators and lead-acid batteries, the Patriot Power Generator has no carbon footprint, emits no greenhouse gases and causes no damage to the environment. It's even safe enough to use indoors.

QUIET

The protected lithium core produces wattage without the loud, continuous sound made by other gas or diesel generator engines.

RENEWABLE

Powered and replenished by natural resources such as the sun, wind and water, as well as mechanical devices. Unit retains charge for one year, but you should charge your unit every 3-6 months for optimal long-term care.

PORTABLE

The Patriot Power Generator 2500X is a relatively small device measuring just over a cubic foot and weighing only 64.9 pounds. That's small enough to carry or store just about anywhere. Most generators surpass this weight by more than double yet offer less power.


AFFORDABLE


No other generator offers the same quiet power output and device versatility for the same value.

SYMBOLS AND TERMS

IMPORTANT SYMBOLS

The following symbols are used in this guide:

 **WARNING** Warnings are conditions and practices that could result in personal injury.


 **CAUTION** Cautions are conditions and practices that could result in damage to the unit or other equipment.


IMPORTANT TERMS


The following terms are helpful for you to know and are used in this guide:

Term	Definition
A	Ampere or Amp
Ah	Amp-hour
AC	Alternating Current
DC	Direct Current
Hz	Hertz
kW	Kilowatt; 1,000 Watts
kWh	Kilowatt-hour
LED	Light Emitting Diode
LCD	Liquid-crystal display
mA	Milliampere; 1/1000th of an ampere
PV	Photovoltaic
VAC	Volts AC
VDC	Volts DC
W	Watts
Wh	Watt-hour

SAFETY INSTRUCTIONS

 **WARNING** This section provides important safety and operating instructions. Any improper use of the generator can result in serious injury and possibly death in extreme situations.

 **CAUTION** Check with manufacturer of medical devices before powering any life-support systems or other medical devices or equipment to ensure it is compatible with the power supplied by the Patriot Power Generator.

 **CAUTION** Check with tool and/or equipment manufacturer before powering any of their products to ensure they are compatible with the power supplied by the Patriot Power Generator.

- Before using your unit, read ALL instructions and information in this user manual.
- To prevent overheating, provide a minimum of 6 inches of clearance on all sides of the unit. Take special care not to cover or obstruct the cooling fan or exhaust vents located on each side.
- When using the unit outdoors, maintain the 6-inch clearance, but shelter the generator to prevent rain, snow, dust, dirt, loose debris and other particles from entering the generator. Such particles present a fire hazard.
- You may simultaneously connect up to 4 AC plugs and all of the USB plugs within the parameters enforced by the limits on page 27.
- To reduce the risk of electrical shock while cleaning the unit, disconnect all inputs and power down the generator using the master power button on the front of the unit. SWITCHING OFF ALL POWER DISCHARGE PORTS WILL NOT ELIMINATE RISK. TURN OFF MASTER POWER.
- Inspect all power cords and connectors before attempting to connect them to your generator. If you have a frayed or damaged cord, please call Customer Service (see page 2) for help on replacing your cord.
- DO NOT use if your unit has been dropped or damaged in any way. If unit is damaged, contact us for next steps (see page 2).
- DO NOT attempt to disassemble the generator. There are NO serviceable parts in the unit, and opening the generator can expose the user to internal components that could cause severe injury or death. Opening the generator is very dangerous and WILL VOID THE WARRANTY.
- Repairs should be done ONLY by a qualified Patriot Power Generator repair technician.

GETTING STARTED

Thank you for your purchase of the Patriot Power Generator 2500X. The 2500-watt pure sine wave AC inverter output in this unit makes it compatible for use with many of today's high-tech electronic devices. It also allows appliance motors to operate more efficiently and at cooler temperatures.

Be sure to carefully read this user manual. Even though your Patriot Power Generator 2500X has many advanced built-in safety features, it is still important to take some time to become familiar with the Safety Instructions on page 9 of this guide before operation.

If you still have any questions, please contact our Customer Support team. See Contact Information on page 2.

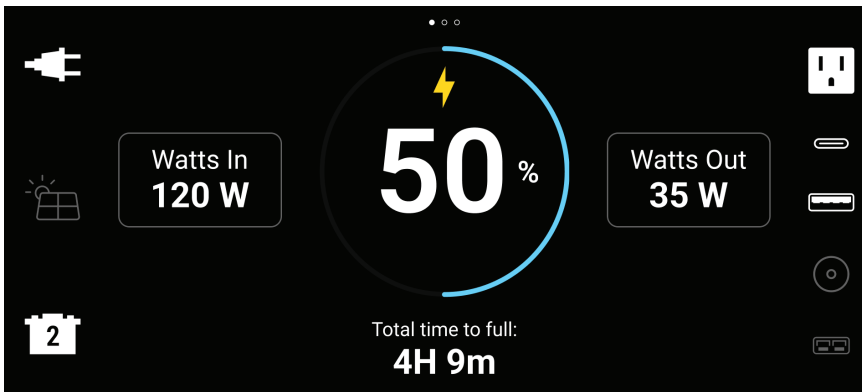
UNIT OVERVIEW

You should have received the following items with your Patriot Power Generator 2500X:

- Patriot Power Generator 2500X Unit
- AC wall-outlet charging cord
- User manual

ON/OFF PROCEDURES

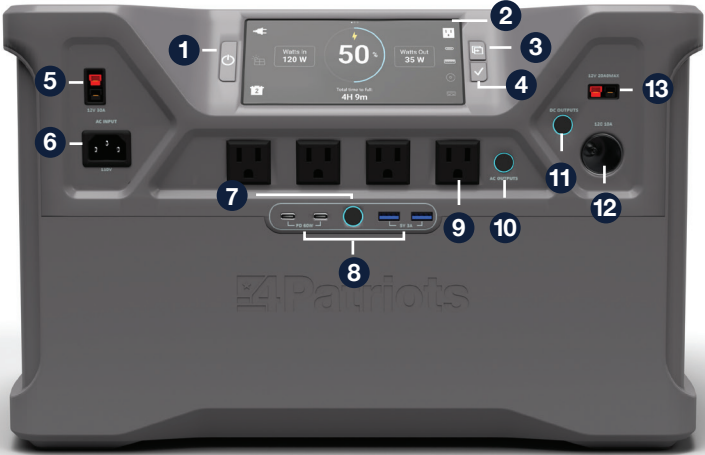
- Long press the master power button on the front of the unit to power the unit on and illuminate the LCD display.



- Long press the master power button again to power down the unit.
- When the generator is not in use, turn the unit off. Verify that the LCD screen is off to ensure that the unit is completely powered down.
- You should always be close enough to your unit to monitor its function. Stay close whether you are discharging the unit or charging it after use.
- Store unit fully charged.

PATRIOT POWER GENERATOR 2500X INTERFACE

FRONT



SIDE



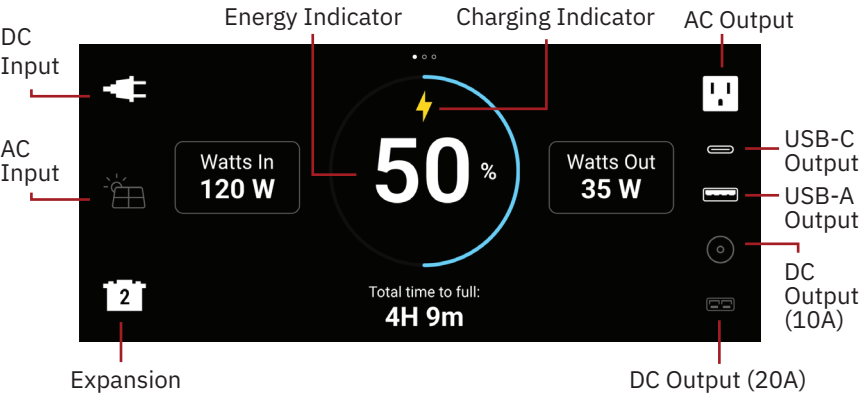
BACK



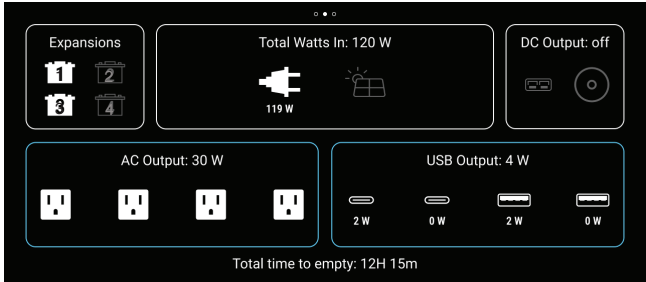
INTERFACE KEY

1. MASTER POWER BUTTON
2. LCD HOME SCREEN DISPLAY
3. SCREEN TOGGLE BUTTON (SWITCH SCREENS)
4. CHECKMARK BUTTON
5. 12V-30V DC & SOLAR PORT CHARGING INPUT
6. 120V AC CHARGING INPUT
7. USB & USB-C POWER BUTTON & LED INDICATOR
8. USB & USB-C OUTLETS
9. 120V AC PLUG
10. AC POWER BUTTON & LED INDICATOR
11. DC POWER BUTTON & LED INDICATOR
12. 12V DC CIGARETTE LIGHTER OUTLET (10A)
13. 12V DC OUTLETS (20A)
14. SIDE VENTILATION FANS (DO NOT OBSTRUCT)
15. EXPANSION BATTERY PORTS & COVERS (OPTIONAL ACCESSORY)
16. CORD STORAGE SYSTEM

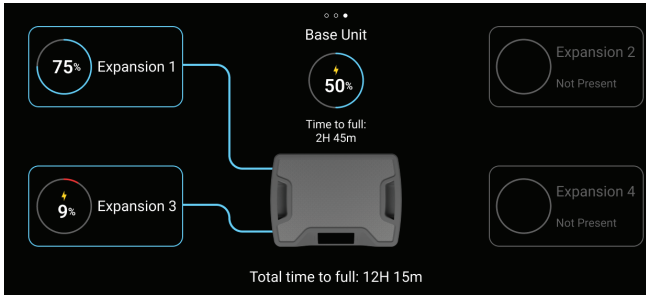
UNDERSTANDING YOUR LCD SCREEN



INFORMATION SCREEN



EXPANSION PACK SCREEN



ERROR SCREEN

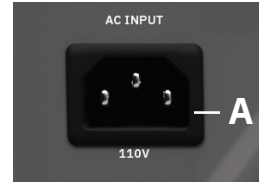


CHARGING AND OUTLET USAGE



AC CHARGING

WARNING

Never use a damaged or frayed AC cord; electrical shock can occur. If cord is damaged, replace with a new cord before proceeding.



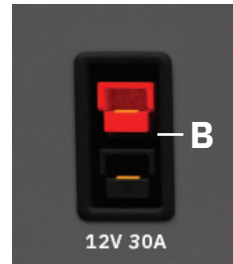
Charging your unit:

1. Plug the provided AC cord into the front of the unit (see A); then plug the cable into the AC wall outlet.
2. While unit is charging, the lightning bolt will appear, and the battery indicator will animate on the screen.
3. The lightning bolt icon  and the plug icon  will remain illuminated as long as the unit is plugged into a charging source.
4. When your unit is fully charged, remove the plug from the wall and front of generator. You can now turn your generator off. Place the charging cord back on the cord holder at the back of the generator.
 - Never leave your unit unattended while it is charging.
 - Never store your unit in a charging state.
 - If the unit is plugged into an AC outlet at the same time it is being used to power an AC device, the unit will pass wall power through to the AC device rather than using up its own battery energy. Any extra energy that the AC device is not using will go to charging the battery, allowing you to charge your device as quickly as possible while also being able to use it at the same time.
 - You can charge your generator via AC and DC simultaneously, but there is a maximum input of 1600 watts.
 - DO NOT leave your generator unattended while charging through the AC port.


DC CHARGING

WARNING

Never use a damaged or frayed DC cord; electrical shock can occur. If cord is damaged, replace with a new cord before proceeding.



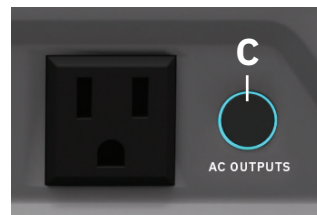
Charging your unit:

1. Plug the DC port extension cable into the front of the unit (see B); then plug the cable into the output of your charging source (e.g. solar panel, hand crank, windmill, etc.).
2. Depress the master power button on the front of the generator.
3. While unit is charging, the lightning bolt will appear, and the battery indicator will animate. The solar panel icon will also illuminate. 
4. Once the unit is fully charged, the screen will show 100%. The lightning bolt icon will remain illuminated as long as the unit is charging and will disappear when the unit is fully charged.
5. When your unit is fully charged, turn the unit off. Then disconnect the charging cables. The acceptable DC charging voltage range is 12-30 VDC. If any other VDC is used, the unit will be damaged.

AC USAGE OUTLETS

WARNING

Never use a damaged or frayed AC cord; electrical shock can occur. If cord is damaged, replace with a new cord before proceeding.



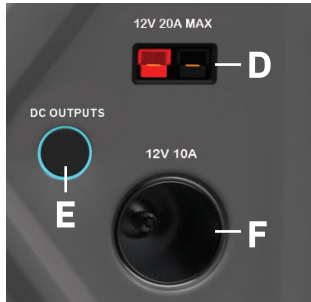
- To use your AC outlets, plug in the devices you want to run. Then turn on the outlets by pressing the main AC OUTPUTS power button (see C). A blue LED indicator will light up to confirm the power has been switched on. Once on, the outlets will work like normal AC wall outlets in your home.
- In order to protect the inverter and battery, any sustained discharge over 2500W will cause the unit to shut down. It can subsequently be reset.
- The watt meter, found on the LCD display, shows the amount of power being used by the generator. Please note this power output is an estimation, and actual output may vary from displayed values.

DC USAGE OUTLETS

WARNING

Never use a damaged or frayed DC cord; electrical shock can occur. If cord is damaged, replace with a new cord before proceeding.

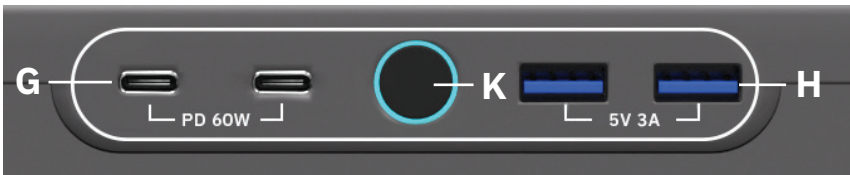
- How you use the DC port outlets (see D) depends on the amperage of your chosen load. For loads between 0 and 10 amps, you can use a DC port extension cord. First, plug the extension cord into the desired device. Then, plug the other end of the extension cord into the DC port outlet on the front of the generator (plug black into black and red into red). Do not use a DC port extension cable for loads greater than 20 amps. For loads greater than 10 amps but less than the 20-amp max, plug the device directly into the DC port outlets. Once your devices are plugged in, press the DC OUTPUTS power button (see E) to turn on the outlets. A blue LED indicator light will turn on to confirm the outlets are on.
- To use the DC cigarette outlet (see F), plug in any 12-volt device that is rated for a maximum of 10 amps and operates as normal.





Please check with 4Patriots Customer Support for proper power requirements and compatibility. See Contact Information on page 2.

DC USB/USB-C OUTLETS

- To use your USB-C and USB outlets (see G and H), first plug the device you want to use into one of the available outlets. Then, press the power button (see K). A blue LED indicator will light up to confirm the power is on.



LCD SCREEN

- To toggle between screens, press the  button.
- To clear error codes, hit the checkmark  button.

ERROR CODES

Error Codes	Issue	Step 1	Step 2	Step 3
#12	Battery low voltage	Please charge.	Push (checkmark) to dismiss.	If the fault persists, please call Customer Support at 1-800-304-4202
#13	Battery low power	Please charge.		
#31	DC port error	Unplug any DC devices. Turn off the DC port power button. Turn off your unit. Wait 5 minutes, then turn back on.		
#36	12V port error	Unplug any 12V devices. Turn off the DC port power button. Turn off your unit. Wait 5 minutes, then turn back on.		
#61	The inverter has stopped responding	Please turn off your unit, wait 5 minutes, and turn it back on again.		
#71	USB-C1 port error	Unplug any USB-C devices. Turn off the USB port power button. Turn off your unit. Wait 5 minutes, then turn back on.		
#73	USB-C2 port error	Unplug any USB-C devices. Turn off the USB port power button. Turn off your unit. Wait 5 minutes, then turn back on.		
#75	USBA1 port error	Unplug any USB devices. Turn off the USB port power button. Turn off your unit. Wait 5 minutes, then turn back on.		
#77	USBA2 port error	Unplug any USB devices. Turn off the USB port power button. Turn off your unit. Wait 5 minutes, then turn back on.		

TROUBLESHOOTING/FAQ

1. My Patriot Power Generator won't turn on.

- Please make sure the master power button is turned on.
- Make sure the main AC power button, found to the left of the LCD display, has been pressed ON. When the blue LED is lit, your Patriot Power Generator AC outlets are on and ready for use.
- When the PPG is extremely overloaded and the unit shuts down automatically, you will need to plug the unit into an AC outlet to reset the unit. Once the unit is reset it will turn back on and should work as normal.
- For the Patriot Power Generator to function at its highest ability, it must be charged after being used and must not be abused, misused or damaged. Please ensure all of these conditions are met.
- Should you encounter further trouble, please contact our Customer Support team (see Contact Information on page 2).

2. I used the Patriot Power Generator once, and now it won't charge when I plug it into the wall.

- The Patriot Power Generator is designed to work for over 3,500 full discharge and charge cycles. If it will not charge, follow these steps:
 - Please make sure the master power button is turned on.
 - Disconnect the power cable from the unit and wall outlet.
 - Inspect the cable for damage to both ends and the cable itself.
 - Inspect the Patriot Power Generator and the wall outlet for damaged sockets or disfigurement.
 - After ensuring all connections are clean and free of any debris that may prevent a solid connection, reconnect the Patriot Power Generator and check the LCD display for a charging status.
 - If the Patriot Power Generator will not function after following these steps, contact Customer Support (see Contact Information on page 2).

3. My Patriot Power Generator won't hold a charge.

- The Patriot Power Generator will retain 50%-80% of its 1612.8 watt-hour capacity after one year of storage. However, please fully charge your unit every 3-6 months to extend the life of the battery. After

storing your unit for an extended period of time, it will need to be recharged before use. It will accept a charge from either an AC or DC source plugged into their respective ports.

- While the Patriot Power Generator has a very large energy capacity, it is not limitless and after being used will need to be recharged. Think of the Patriot Power Generator as a glass and energy as water: When you drink water from a glass, it does not refill itself. You have to refill it if you want it to be full of water again.
- If the Patriot Power Generator will not function after you have followed these steps, contact Customer Support (see Contact Information on page 2).

4. How do I know when my Patriot Power Generator is fully charged?

- To calculate approximately how long it will take to fully charge the Patriot Power Generator from empty, use this formula: $1612.8 \text{ Wh} / \text{Output power of your charging source (e.g. solar panel, hand crank, windmill, etc.)} = \text{Hours needed to fully charge.}$
- To ensure the Patriot Power Generator is fully charged while using the AC 120V charger:
 - Turn all power buttons OFF. Leave the master power button ON.
 - Plug the provided three-pronged AC cable into the unit, then insert the other end into an AC outlet.
 - The LCD display should show a lightning bolt symbol on the screen to indicate charging.
 - Continue charging the Patriot Power Generator for 3 to 4 hours.
 - After that point, the Patriot Power Generator will be finished charging. The LCD should show a 100% charge. Note: The lightning bolt only indicates that the generator is plugged into a power source. It does not mean the unit is still charging. The unit is finished charging when the screen shows 100%.
- To ensure the Patriot Power Generator is optimally charged when using a DC 12V power source:
 - Ensure all power buttons are in the OFF position. Leave the master power button ON.
 - Connect the DC Power Source to the DC charging input on the front of the generator (plug black to black and red to red).

- Let the Patriot Power Generator charge for the estimated time displayed on the screen. When the lightning symbol disappears and the screen shows 100% full charge, you can disconnect the power cable from the front of the unit. The Patriot Power Generator has a cutoff built into it that will stop current from flowing to it after the Patriot Power Generator is fully charged. Even with this safety feature, do not leave a generator to charge unattended. Keep the unit in a place you can monitor as you charge the unit to ensure proper charging.
- Some energy sources are more reliable than others. Know the type of electricity and the current you are putting into your Patriot Power Generator. For instance, if you have a Patriot Power Generator and two DC 12V 100-watt solar panels, you know that when connected to the Patriot Power Generator and in direct sunlight, the panels will give 200 Watts of DC at 12V energy to the battery. The battery has a capacity of 1612.8 watt-hours, so it will take roughly 8-10 hours of direct sunlight to charge the Patriot Power Generator.

5. How do I know when my Patriot Power Generator is fully discharged?

- The Patriot Power Generator has an LCD display that will show the wattage being used and the battery status bar. These will let you know the status of your battery while charging or discharging. Do not attempt to discharge the Patriot Power Generator once the battery status bar shows there is no power left. Doing so will cause damage to the unit and will void your warranty.

Efficiency Statement: If you have a device (such as a laptop computer with AC 120V power cable) connected to the Patriot Power Generator and are using the device as it charges, the generator battery will drain more quickly. To prolong the usable life of your devices on the battery, turn them off while they charge and disconnect them from the generator when you are ready to use them. You should fully drain the battery of each device and turn it off again before connecting it to the Patriot Power Generator to recharge.

6. I can't connect my solar panel to my Patriot Power Generator.

- If a Patriot Power Generator solar panel was included in your order, your solar panel will come with DC port connectors, which the Patriot Power Generator is specifically designed to connect with. There are two sets of these connectors to use with any DC 12V input. These connectors are small and rectangular with one side that is red and

another side that is black. Always connect black to black and red to red.

- While the ends of the connectors may appear flat and not able to connect to a similar connector, they are specially made to slide together. Match up the colors on the input side and push them together gently to form a solid connection.
- The solar panel connectors that fit your Patriot Power Generator are engineered only for Patriot Power Generator products. They look very similar and fit together easily.

7. My Patriot Power Generator won't charge when I connect my solar panels to it.

- Solar panels work best when pointed without obstruction directly at the sun. The solar panel will not produce an adequate charge if it is:
 - Not pointed toward the sun
 - Placed behind a window (30-70% less efficient depending on window type)
 - Used indoors
 - Positioned in shade
 - Not connected to the Patriot Power Generator, either directly or by using an approved extension cable
 - Used with an unapproved or excessively long extension cable
- Please make sure the master power button is turned on.
- The optimum position of the solar panel is slightly angled to the south (if living in the Northern Hemisphere) at noon in an open area. The panel will produce less power before and after noon and at angles that are not axially tangent to the relative path of the sun.
- Solar panels will produce little to no power if they are placed in a shaded area, behind a window, or next to a sun-obstructing object. Remember, shadows move, so an object that is next to the solar panel may not create a shadow during one time of the day, but may produce a shadow for some or all of the rest of the day.
- Solar panels will produce little to no power if placed vertically or facing down.

8. I can't connect all three of my solar panels to my Patriot Power Generator at the same time.

- The Patriot Power Generator is designed with only one DC input port. To attach more than one solar panel to your generator, the panels need to be daisy-chained with the supplied wires on the panels themselves. If you have questions about daisy chaining, or if your DC port connector will not insert into your Patriot Power Generator, please contact Customer Support for help (see Contact Information on page 2).

9. I left my solar panel connected to a battery (not a 4Patriots Panel) attached to my generator and now it has less charge than the evening before.

- Batteries will not gain any power from a solar panel at night. It may even deplete the battery if connected poorly (e.g., without a solar charge controller or to the wrong connections). Electricity is a two-way street and will flow to and from the source and to and from the destination depending on the current, charge, power draw, as well as a few other factors. Unless electricity is governed and controlled with technology such as a solar charge controller, you cannot be assured of the results when charging with solar panels, batteries or other electronic components.
- The other peril of ungoverned solar charging batteries is that you may overcharge and damage the battery. This is unsafe and will not give you more energy. In fact, it will most likely reduce the charge because of the damage caused to the battery. The battery may swell and become warm. Do not use a swollen battery. Instead, carefully dispose of it in a legal and safe manner.
- Disconnect your Patriot Power Generator from any charging source when it is not charging. Unlike lead-based batteries, the lithium-based Patriot Power Generator does not need to be kept on a trickle charger or have the charger plugged in constantly to retain a charge.

10. I turned off the power switches on my Patriot Power Generator, but the unit's fan is still on. Should I be worried?

- You do not need to worry. The fan for your Patriot Power Generator is designed to cool the internal components, even if the unit is powered off. Especially, if you are charging your unit, you can expect the fan to run frequently, even with the main switch off.

11. The Patriot Power Generator emits a burning odor while operating.

- The Patriot Power Generator should not have any odor while functioning or being stored. Dust, dirt, or debris should not be allowed to enter the Patriot Power Generator, but if it does, it may emit a very light odor similar to a clothes dryer when the generator is powered on. Use electronics-safe compressed canned air to clear the vents of your unit (only while the unit is turned off). If you notice a strong, smoky, or persistent odor, stop use immediately. Do not attempt to remove anything from the interior of the Patriot Power Generator. Do not use the Patriot Power Generator again, and contact Customer Support for repair or replacement (see Contact Information on page 2).

12. The Patriot Power Generator will not run my microwave after I used it to watch TV.

- The Patriot Power Generator has a battery capacity of 1612.8 watt-hours. After a device has used 1000 watt-hours of the battery, another device will only have 612.8 watt-hours, not 1612.8. Remember to calculate the power consumption of the devices you use and ration the time you plan to use your unit accordingly. The LCD display will help you with these calculations because it shows the wattage used by any appliance plugged in.
- To ensure you are able to enjoy Patriot Power Generator's full battery charge the next time you use it, charge it fully and turn the power off after use.
- To extend the battery life, connect the Patriot Power Generator to solar panels during use.

13. The AC 120V outlet turns off when I use two electronic devices at the same time.

- The Patriot Power Generator has a number of safety features built in to prevent injury to you or damage to the unit. One of these safety features is an automatic cutoff for devices that use more than 2500 watts (20 amps) continuously. When the current passes 2500 watts or 20 amps, power to the AC 120V output ports will be cut off. To begin using the ports again, you will need to turn off the switch next to the AC ports, wait five seconds, switch it back on and proceed using devices with a lower combined wattage.
 - *Example:* Most hair dryers use 1500 watts on the high setting. If you are using multiple hair dryers, use a lower setting. The same lower setting suggestion applies to toasters, microwaves and electric power tools.

14. My Patriot Power Generator stops working when I turn up the power on my space heater while using it to power my TV.

- The Patriot Power Generator will accommodate all power draws going out of the AC 120V output up to 2500 watts. Most space heaters draw more than 2500 watts at the higher settings. Experiment to find the optimal balance between energy conservation and heat output while enjoying your entertainment.

15. My Patriot Power Generator got wet and now will not turn on.

- It is possible to damage the Patriot Power Generator when it is used improperly or in harsh conditions. If your Patriot Power Generator is submerged in water, do not turn it on or touch it. The Patriot Power Generator contains a powerful battery, and when it comes into contact with water or any other conducting equivalent, it will create an unsafe environment, void the warranty and may cause serious injury or death.
- Additionally, the Patriot Power Generator is not rated for dropping from any height.

16. Can I daisy chain my Patriot Power Generator in a series with or parallel to other Patriot Power Generator units or batteries?

- The Patriot Power Generator 2500X is designed to be used as a standalone power source. If you would like to increase your power storage capabilities, we recommend using the Patriot Power Expandable Battery 1300. Your generator can attach up to four of these batteries with each adding an additional 1344 watt hours. You could even have additional Expandable Batteries charged and on reserve for days of power at the ready.

17. My LCD screen turns off and I'm not sure how to turn it back on.

- The LCD screen will turn off after 6 minutes of inactivity. Simply press the LCD screen button to turn it back on. The AC outlets will also automatically turn off after 5 hours of disuse.

18. If my Patriot Power Generator battery gives out and stops working completely, can the expandable battery replace it and keep it going?

- No. If the main battery stops working the unit will shut off. The main

unit is programmed to split the load between the Power Bloc and the main unit's battery. This is how we are able to reduce the size of the cord between the Power Bloc and the main unit. It's best to have them both fully charged, or at the same SOC (state of charge).

19. The percentage charge on the screen of my Patriot Power Generator seems to be incorrect. How do I fix this?

- Plug the unit into the wall and charge it until full. Once the unit is charged all the way, the power percentage should show a correct reading.
- You can also drain the unit completely and then charge the unit until full. This will also ensure the percentage on the screen is correct.

TECHNICAL SPECIFICATIONS

DIMENSIONS:

20.25" L x 14.25" W x 12.25" H

WEIGHT:

64.9 lbs (29.4 kgs)

OPERATING TEMPERATURES:

Charging: 32-120°F (0-45°C)

Discharging: 0-120°F (-17-49°C)

OPERATING CONDITIONS:

- Keep out of rainy, damp, or snowy conditions.
- When charging outside with a solar panel, use the panel to shade the unit for better charging efficiency.
- Do not store in a hot vehicle for extended periods of time (i.e. anything over 5 hours).

BATTERY:

- Lithium Iron Phosphate Based Chemistry (LFP)
- 126Ah (1612.8 Wh) capacity
- 12.8V normal capacity
- Rated for 3,500+ charge and discharge cycles
- Minimum Charge Time: 1.5 Hours
- Charge Retention: 1 Year (50-80%)
- Integrated Inverter: 120V AC pure sine wave, 2500W continuous output, slow-start feature protects the inverter from over-current draw
- Maximum AC (wall outlet) charge rate: 10.8A @ 120V AC or 1300W
- Maximum DC (including solar) charge rate: 30A @ 18VDC or 525W
- Maximum combined charge from AC and DC: 1600W
- Maximum DC Output Current: 20A @ 12V DC
- Pouch Cell Geometry

UNIT BODY:

- Plastic Case
- Cooled by side-mounted fans

LCD DISPLAY:

- Easy-to-read display

INPUT PORTS:

- AC: 110V–240V, 50-60Hz
- DC: DC port connectors; 1 set, total of 30A limit using 12-30V input

OUTPUT PORTS:

- AC: 110V–120V 60Hz: 2 outlets share a combined total current limit of 2500W, including a slow-start feature that protects the inverter from over-current draw
- USB: 2 outlets, 3A (18W) max each
- USB-C: 2 outlets, 3A (60W) max each
- DC: DC port connectors; 1 set with a total shared current limit of 20A @ 12VDC (240W max output)
- DC: 12V cigarette lighter adapter, capable of 10A (120W) max output

MANUFACTURER WARRANTY INFORMATION

0 TO 365 DAYS FROM THE PURCHASE DATE:

WHAT IS COVERED?

- Defects in materials or workmanship.
- Non-cosmetic normal wear and tear-related damages.
- Units authorized for return: To receive authorization, please contact our Customer Support team (see Contact Information on page 2). Under no circumstances should you return a unit without prior authorization. Authorized returns are not subject to a restocking fee.

WHAT IS NOT COVERED?

- Damage or defect caused willfully or through negligence.
- Damage caused through excessive wear and tear.
- Cosmetic blemishes, scratches, or dents caused through the course of regular use.
- Damage caused by use of the unit with unsafe, unregulated, or inappropriate products, devices, power sources, or power consumption.
- Damage resulting from use of the product for anything other than what it is intended for. This warranty does not cover damage caused when the unit is used as a footstool, wheel chock, door jam, or flotation device (It does not float, is not waterproof, and may cause bodily injury or death if used as a flotation device).
- A return not previously authorized by our team. Unauthorized return shipments will be rejected or restocked without notification to the sending party.
- Upgrade to a newer model. All damaged units will be replaced with a unit of the same model that was originally purchased.

ADDITIONAL TERMS:

1. Damage caused willfully or by negligence will void the warranty at any point in the 365-day period. Willful or negligent damage is determined upon receipt and inspection of the unit. All refunds/returns will be processed after inspection for willful or negligent damage.
2. Any unit that has been altered or repaired by an unauthorized service is voided of any warranty.
3. All products must be returned with all included attachments and accessories unless otherwise directed when obtaining a return number. The customer will be billed/charged for any missing attachments or accessories.
4. If proof of purchase, purchase order, receipt, or record of purchase is not available upon request, we will not be responsible for any warranty service.
5. Any returned unit must be packaged safely and labeled clearly. Any damage caused by poor packaging when returning the unit is the responsibility of the customer and may void the warranty.
6. Customers should keep a record of the serial number of any unit sent in for replacement. To facilitate the return process, clearly write the serial number on the shipment box as well. The serial number can be found on the back of the unit.
7. Products that are not authorized for return as per the return instructions will not be accepted.
8. At our discretion, units will be repaired or replaced.
9. If the customer sends a unit in for replacement and it is found to be free of defect or damage after inspection, the customer will be responsible to pay a \$50 service charge, actual handling and shipping costs to and from our facility, and any other necessary costs incurred during processing.

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Manufactured for: 4Patriots, LLC
2920 Berry Hill Dr., Suite 300
Nashville, TN 37204
(800) 304-4202 | 4Patriots.com
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