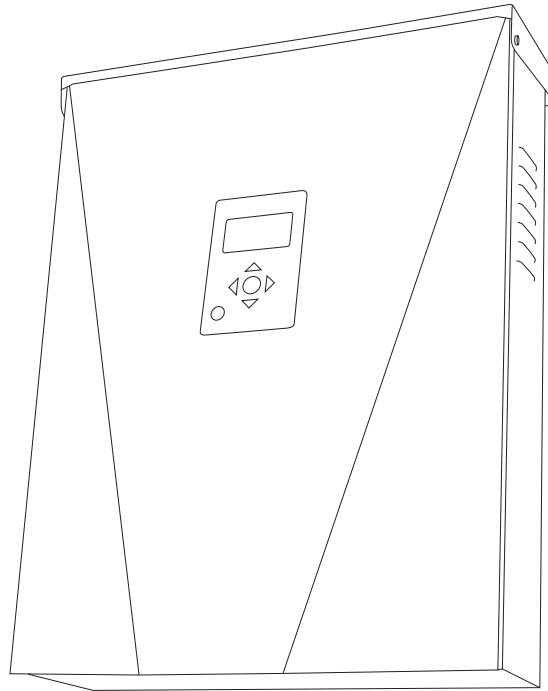


Owner's Manual

Generac PWRcell™ Inverter



009954



WARNING

Loss of life. This product is not intended to be used in a critical life support application. Failure to adhere to this warning could result in death or serious injury.

(000209b)

Register your Generac product at:

<https://register.generac.com/>

1-888-GENERAC
(888-436-3722)

Para español, visita: <http://www.generac.com/service-support/product-support-lookup>

Pour le français, visiter: <http://www.generac.com/service-support/product-support-lookup>

SAVE THIS MANUAL FOR FUTURE REFERENCE

Use this page to record important information about your Generac Product

Record the information found on your unit data label on this page. See [Serial Number Locations](#).

When contacting an Independent Authorized Service Dealer (IASD) or Generac Customer Service, always supply the complete model number and serial number of the unit.

Table 1: Generac PWRcell Inverter Important Information

Unit Model Number	
Unit Serial Number	
Date Purchased	
Commissioning Date	

 **WARNING**

CANCER AND REPRODUCTIVE HARM

www.P65Warnings.ca.gov

(000393a)

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Section 1: Introduction and Safety

Introduction

Thank you for purchasing a Generac PWRcell™ Inverter. The Generac PWRcell Inverter is a storage-ready inverter that connects to the Generac PV Link™ and Generac PWRcell Batteries to form the Generac PWRcell system.

This owner's manual provides instructions for programming, configuring, registering and commissioning the Generac PWRcell Inverter. See the Generac PWRcell Inverter Installation Manual for installation instructions.

The information in this manual is accurate based on products produced at the time of publication. The manufacturer reserves the right to make technical updates, corrections, and product revisions at any time without notice.

Read This Manual Thoroughly



WARNING

Consult Manual. Read and understand manual completely before using product. Failure to completely understand manual and product could result in death or serious injury. (000100a)

If any section of this manual is not understood, contact the nearest Independent Authorized Service Dealer (IASD) or Generac Customer Service at 1-888-436-3722 (1-888-GENERAC), or visit www.generac.com for assistance. The owner is responsible for correct maintenance and safe use of the unit.

This manual must be used in conjunction with all other supporting product documentation supplied with the product.

SAVE THESE INSTRUCTIONS for future reference. This manual contains important instructions that must be followed during placement, operation, and maintenance of the unit and its components. Always supply this manual to any individual that will use this unit, and instruct them on how to correctly start, operate, and stop the unit in case of emergency.

Safety Rules

The manufacturer cannot anticipate every possible circumstance that might involve a hazard. The alerts in this manual, and on tags and decals affixed to the unit, are not all inclusive. If using a procedure, work method, or operating technique that the manufacturer does not specifically recommend, verify that it is safe for others and does not render the equipment unsafe.

Throughout this publication, and on tags and decals affixed to the unit, DANGER, WARNING, CAUTION, and NOTE blocks are used to alert personnel to special instructions about a particular operation that may be hazardous if performed incorrectly or carelessly. Observe them carefully. Alert definitions are as follows:

DANGER

Indicates a hazardous situation which, if not avoided, will result in death or serious injury.

(000001)

WARNING

Indicates a hazardous situation which, if not avoided, could result in death or serious injury.

(000002)

CAUTION

Indicates a hazardous situation which, if not avoided, could result in minor or moderate injury.

(000003)

NOTE: Notes contain additional information important to a procedure and will be found within the regular text of this manual.

These safety alerts cannot eliminate the hazards that they indicate. Common sense and strict compliance with the special instructions while performing the action or service are essential to preventing accidents.

How to Obtain Service

For assistance, contact the nearest Independent Authorized Service Dealer (IASD) or Generac Customer Service at 1-888-436-3722 (1-888-GENERAC), or visit www.generac.com.

When contacting an IASD or Generac Customer Service, always supply the complete model and serial number of the unit as given on its data decal located on the unit. Record the model and serial numbers in the spaces provided on the front cover of this manual.

General Hazards

⚠ DANGER

Automatic start-up. Disconnect utility power and render unit inoperable before working on unit. Failure to do so will result in death or serious injury.

(000191)

⚠ WARNING

Risk of injury. Do not operate or service this machine if not fully alert. Fatigue can impair the ability to service this equipment and could result in death or serious injury.

(000215)



⚠ WARNING

Loss of life. This product is not intended to be used in a critical life support application. Failure to adhere to this warning could result in death or serious injury.

(000209b)

⚠ WARNING

Equipment damage. Connect only to REbus-compatible devices to the DC bus. Never connect to any other DC power source. Connecting to other DC power sources could result in equipment damage.

(000598)

⚠ WARNING

Electric shock. Only a trained and licensed electrician should perform wiring and connections to unit. Failure to follow proper installation requirements could result in death, serious injury, and equipment or property damage.

(000155a)

⚠ WARNING

Equipment damage. Only qualified service personnel may install, operate, and maintain this equipment. Failure to follow proper installation requirements could result in death, serious injury, and equipment or property damage.

(000182a)

- Connecting Generac PWRcell to the electric utility grid must only be done after receiving prior approval from the utility company.
- Only competent, qualified personnel should install, operate, and service this equipment. Strictly comply to local, state, and national electrical and building codes. When using this equipment, comply with regulations established by the National Electrical Code (NEC), CSA Standard; the Occupational Safety and Health Administration (OSHA), or the local agency for workplace health and safety.
- Protection against lightning surges in accordance with local electric codes is the responsibility of the installer.
- If working on this equipment while standing on metal or concrete, place insulative mats over a dry wood platform. Work on this equipment only while standing on such insulative mats.
- Never work on this equipment while physically or mentally fatigued.
- Any voltage measurements should be performed with a meter that meets UL3111 safety standards, and meets or exceeds overvoltage class CAT III.

Electrical Hazards



⚠ DANGER

Electrocution. Water contact with a power source, if not avoided, will result in death or serious injury.

(000104)



⚠ DANGER

Electrocution. PWRcell Battery front cover should be removed by a qualified technician only. Removing the front cover could result in death, serious injury, equipment or property damage.

(000604)



⚠ DANGER

Electrocution. In the event of electrical accident, immediately shut power OFF. Use non-conductive implements to free victim from live conductor. Apply first aid and get medical help. Failure to do so will result in death or serious injury.

(000145)



⚠ DANGER

Electrocution. Turn battery disconnect OFF and de-energize REbus before touching terminals. Failure to do so will result in death, serious injury, equipment and property damage.

(000599)



⚠ DANGER

Electrocution. Verify electrical system is properly grounded before applying power. Failure to do so will result in death or serious injury.

(000152)



⚠ DANGER

Electrocution. Do not wear jewelry while working on this equipment. Doing so will result in death or serious injury.

(000188)



⚠ WARNING

Electrocution. Potentially lethal voltages are generated by this equipment. Render the equipment safe before attempting repairs or maintenance. Failure to do so could result in death or serious injury.

(000187)

Safety Shutdown



⚠ DANGER

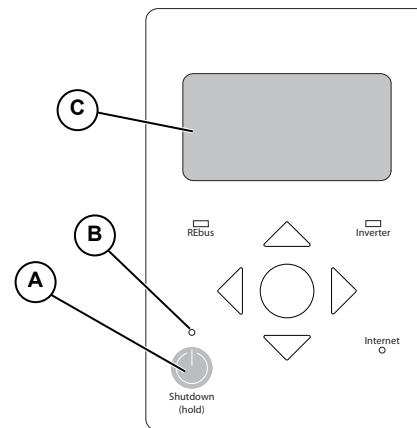
Electrocution. Initiate a system-wide safety shutdown and turn PWRcell Disconnect Switch OFF on all connected batteries before performing service. Failure to do so will result in death, serious injury, equipment and property damage.

(000600)

NOTE: A loss of grid power will not de-energize REbus in a system configured to island or provide backup power.

See [Figure 1-1](#). Shutdown button (A) on the Generac PWRcell Inverter control panel activates Safety Shutdown. Safety Shutdown signals connected devices to shutdown and limit output voltage to a safe level. An external shutdown button may also be installed, given appropriate labeling. See the Generac PWRcell Inverter Installation Manual for more information.

To enter Safety Shutdown, press and hold Shutdown (A). Safety shutdown LED (B) will illuminate and LCD screen (C) will indicate Safety Shutdown has been initiated.



009918

Figure 1-1. Safety Shutdown Button (Located on Inverter Control Panel)

Upon entering Safety Shutdown, a shutdown signal will be transmitted to all devices connected to REbus. In Safety Shutdown:

- Generac PWRcell Inverter will disconnect from the grid.
- Generac PWRcell Inverter will stop sourcing power to REbus, and immediately disable all sources on REbus by sending a global shutdown signal.
- All Generac PV Link Optimizers will disconnect their output.
- Safety Shutdown LED (B) will be illuminated to show that the inverter has entered safety shutdown. REbus DC bus voltage will be displayed on the inverter screen.

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Section 2: General Information

Specifications

Description	Units	X7600 Series	X11400 Series
Max. cont. AC power @ 50°C	kW	7.6	11.4
Grid Voltage	VAC	120/240 (1-ph)	120/208 (3-ph)
Max cont. REbus current (peak)	A	20	30
Max cont. grid output current	A	32	
AC terminals wire size	AWG	14 to 6	
DC terminals wire size	AWG	18 to 6	
STOP terminals wire size	AWG	28 to 16	
Gen Sense/Gen Start wire size	AWG	30 to 12	
Weight	lb (kg)	64 (29)	
Thermal management	-	forced convection	
Temperature range	°F (°C)	-4 to 122 (-20 to +50)	
Weatherization rating	-	NEMA 3R	
Enclosure Material	-	powder-coated steel	

Ratings

Description	Units	Min	Nominal	Max
Maximum Input Voltage (nanogrid)	V			420
Range of Input Operating Voltage (nanogrid)	V	360		400
Maximum input current (nanogrid)	A			20
Maximum input short circuit current (nanogrid)	A			30
Maximum input source backfeed current to input source (nanogrid)	A			30
Output power factor rating (ac)	-			1
Operating Voltage range (ac) 2ph	V, rms	108		130
Operating Voltage range (ac) 3ph	V, rms	106		132
Operating frequency range or single frequency	Hz	59.6		60.4
Nominal output voltage (ac)	V, rms		120/240 & 208, 3 ph	
Normal output frequency (ac)	Hz		60	
Maximum continuous output current (ac)	A, rms			32
Maximum output overcurrent protection	A			50
Max output fault current and duration	A/ms		50 / 17	
Utility interconnection voltage and frequency trip limits and trip times	See Generac PWRcell Inverter Installation Manual for more information.			
Trip Voltage Accuracy				
Trip Time Accuracy	-	2% +/- 2 cycles		
Normal operation temperature range	°F (°C)	-4 (-20)		+122 (+50)
Output power temperature derating and maximum full power operating ambient	°F (°C)	-4 (-20)		+122 (+50)
Peak Efficiency	%			97.5
CEC Weighted Efficiency	%			97

Specifications are subject to change without notice. Refer to the product specification sheet for complete list.

Serial Number Location

Refer to **Figure 2-1** to locate unit serial number (A). Record the information from this tag in **Table 1: Generac PWRcell Inverter Important Information** on the inside front cover of this manual. When requesting assistance, you may be asked to provide this information.

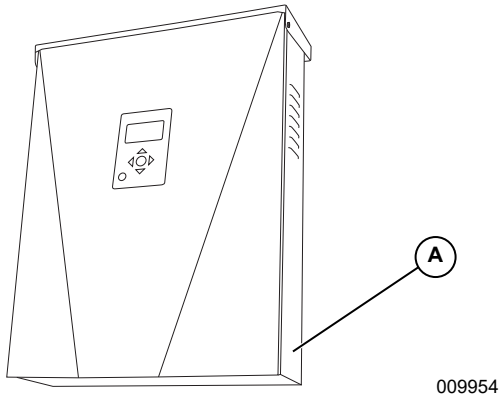


Figure 2-1. Serial Number Location

Unit Dimensions

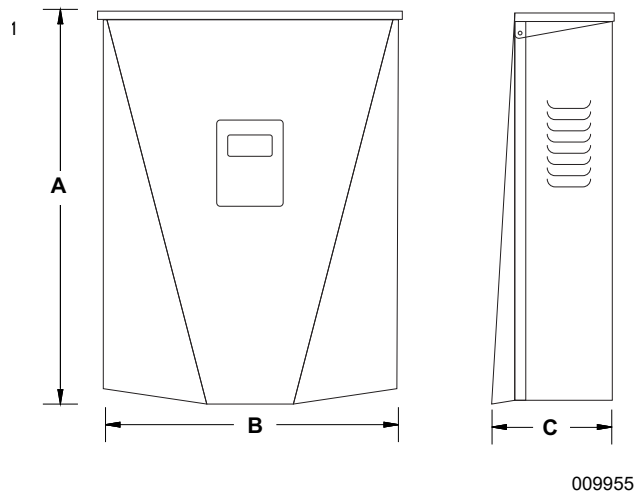


Figure 2-2. Unit Dimensions

A	24.5 in (622 mm)
B	19.25 in (489 mm)
C	8 in (203 mm)

About Generac PWRcell Inverters

The Generac PWRcell Inverter connects to the Generac PV Link™ and Generac PWRcell Battery to form the Generac PWRcell system for grid-interactive solar-plus-storage.

Upon the loss of grid power, Generac PWRcell Inverters disconnect from the grid and provide AC power to support protected loads when configured to do so.

All Generac PWRcell products use the REbus™ 380 VDC nanogrid to connect energy sources, storage, and loads. The REbus nanogrid automates the flow of power

to enable plug-and-play setup and operation of Generac PWRcell equipment. For more information about REbus, visit www.generac.com.

In **Figure 2-3** Generac PWRcell Inverter (E) is directly connected to Generac PV Link (B) and Generac PWRcell Battery (C) on DC (REbus) line (D). To the right of the inverter are AC lines: 120/240 VAC for grid and home loads (G), and protected loads (H) support up to 50 A.

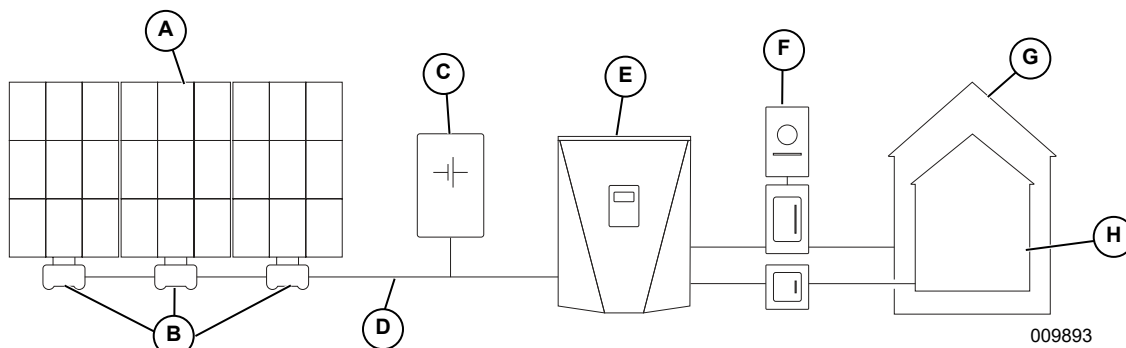


Figure 2-3. Generac PWRcell System Example

- | | |
|----------------------------------|-----------------------------------|
| A Solar Panels | E Generac PWRcell Inverter |
| B Generac PV Link | F Grid |
| C Generac PWRcell Battery | G Loads |
| D REbus | H Protected Loads |

Component Locations

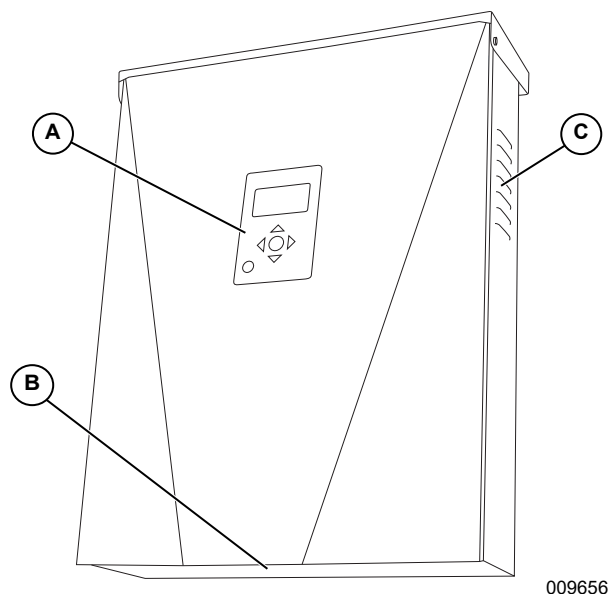


Figure 2-4. Component Locations

- A Control panel
- B Intake filter
- C Exhaust vent

Inverter Control Panel

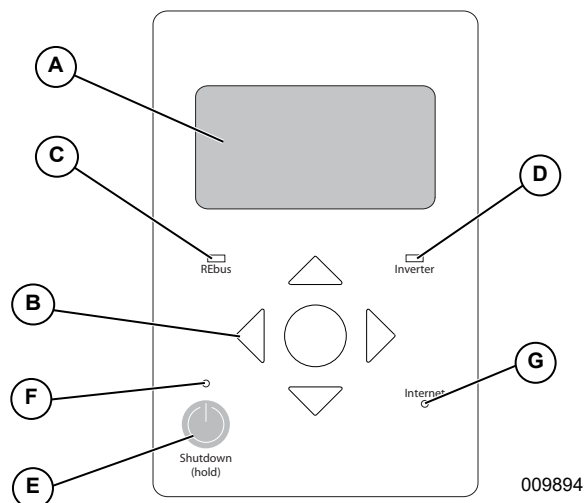


Figure 2-5. Inverter Control Panel

- A LCD display
- B Navigation keys
- C REbus status LED
- D Inverter LED
- E Safety Shutdown
- F Safety Shutdown LED
- G Internet LED

See [Figure 2-5](#). Generac PWRcell is controlled through the Generac PWRcell Inverter control panel. The inverter control panel is used for adjusting system settings and for interacting with devices.

LED Indicators

See [Figure 2-5](#) for LED locations.

REbus Status LED

REbus Status LED (C) communicates REbus nanogrid status through LED color.

- Green – all devices are functioning normally and are either generating power or ready to generate power.
- Yellow – no devices are connected or no devices are enabled.
- Red – one or more REbus device has a fault that requires attention before operation will continue.

NOTE: A red LED can also indicate a fault with the REbus nanogrid itself. See display (A) for more information about the specific fault detected.

Inverter LED

Inverter LED (D) communicates the status of the utility grid and/or inverter through LED color and state.

- Green – utility is connected and within normal operational voltage and frequency.
- Blinking green – system is in standby mode, powering up, or initializing.
- Yellow – utility grid is not within normal conditions, but user intervention typically is not required. The inverter will restart as soon as the utility grid returns to normal conditions.
- Red – a serious fault with the utility grid or inverter has been detected and user attention is required before the unit will resume operation. See display (A) for more information about the specific fault detected.
- No light – the inverter is disabled or powered off.

Safety Shutdown LED

Safety Shutdown LED (F) is illuminated when the system is in Safety Shutdown mode. Safety Shutdown may be initiated either from the Safety Shutdown button on the unit or an externally-installed shutdown switch. See [Safety Shutdown](#).

Internet LED

Internet LED (D) is illuminated when the inverter is connected to a router and has an IP address. See [Ethernet Configuration](#).

NOTE: A blue Internet LED does not mean that the inverter has connected with the Generac server.

Operational Modes Overview

Generac PWRcell offers several operational modes for various installation configurations, markets, and applications. Connected REbus devices work together to manage the distribution of power based on the selected operational mode.

Some modes interact with Generac PWRcell Batteries to store power and/or balance production and consumption. See [Table 2-1](#) and [Table 2-2](#) for an overview of available operational modes.

Table 2-1. Operational Inverter Modes

Priority	Grid Tie	Clean Backup	Priority Backup	Self Supply
1	Support local loads	Charge batteries from bus	Charge batteries from bus	Support local loads
2	Export to grid	Support local loads	Charge batteries from grid	Charge batteries from bus
3	-	Export to grid	Support local loads	Export to grid
4	-	-	Export to grid	-

Table 2-2. Optimal Mode for Goal

Goal	Optimal Inverter Mode
Keep batteries charged as much as possible	Priority Backup
Keep batteries charged using only solar power	Clean Backup
Net-metering solar energy without a battery	Grid Tie
Use grid as little as possible	Self Supply
Never sell power to grid	Zero Export

Grid Tie

In Grid Tie mode, the Generac PWRcell Inverter functions as a conventional grid-tied inverter system. The system powers local loads and when generation exceeds load demand, excess power is exported to the utility for net metering and other credits.

NOTE: Grid Tie is intended for use with systems that do not include a Generac PWRcell Battery. For systems where a Generac PWRcell Battery will be connected at a later date, operate in Grid Tie mode until the battery is installed.

Clean Backup

NOTE: Grid power is not used to charge batteries in this mode.

See [Figure 2-6](#). In Clean Backup mode, the Generac PWRcell Inverter prioritizes keeping the Generac PWRcell Battery charged and ready for a grid interruption using solar power only. If the battery is not fully charged, the inverter uses all available solar power to charge the battery.

See [Figure 2-7](#). When the battery is fully charged, solar power will flow to local loads and the grid.

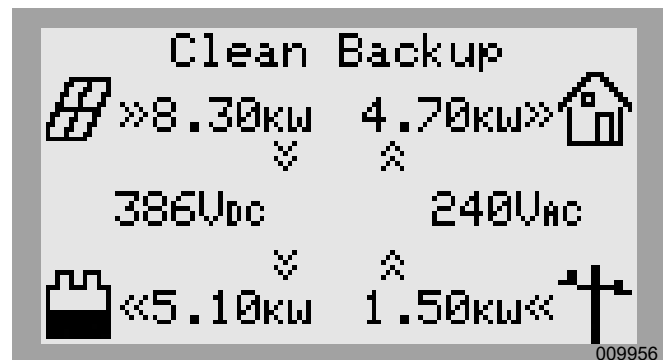


Figure 2-6. Clean Backup (1 of 3)

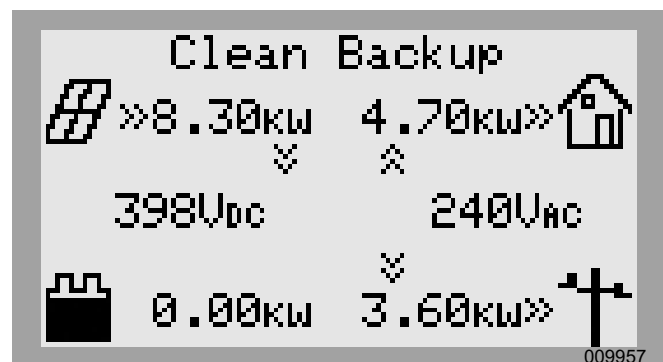


Figure 2-7. Clean Backup (2 of 3)

See **Figure 2-8**. When grid service is interrupted, the system enters Islanding mode. In Islanding mode, solar and battery power protected loads. If enough solar power is available, the solar will simultaneously charge the battery and support the loads.

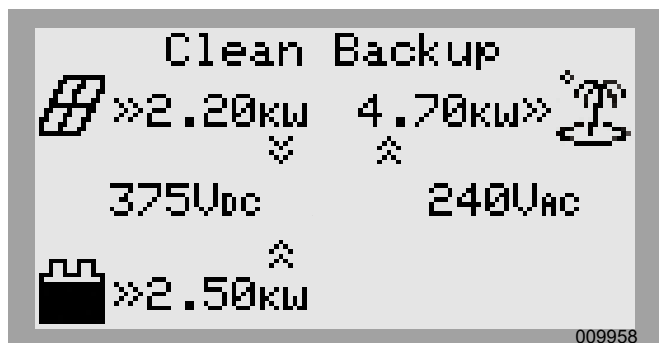


Figure 2-8. Clean Backup (3 of 3)

Priority Backup

In Priority Backup mode, the inverter prioritizes keeping batteries charged and ready for grid interruption using solar or grid power. If the battery is not fully charged, all available solar power is used to charge the battery. When the available solar power is lower than the battery input power rating, the inverter uses grid power to expedite battery charging.

See **Figure 2-9**. If solar and grid power are available, both can charge the battery. The system displays the amount of power being drawn from the grid and the amount of power being consumed by local loads before reaching the battery.

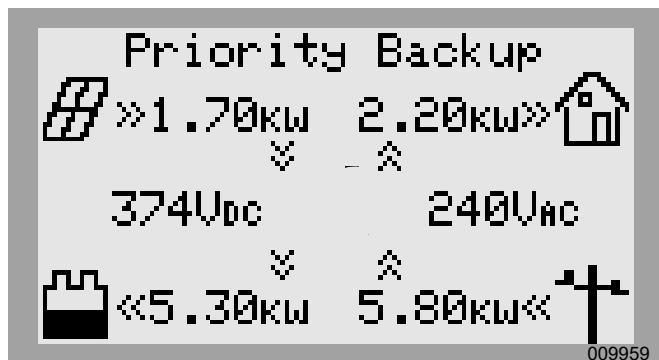


Figure 2-9. Priority Backup (1 of 2)

See **Figure 2-10**. In the event of grid failure, the inverter enters Islanding mode. Protected loads are supported by solar and battery power. If enough solar power is available, the solar simultaneously charges the battery and supports the loads.

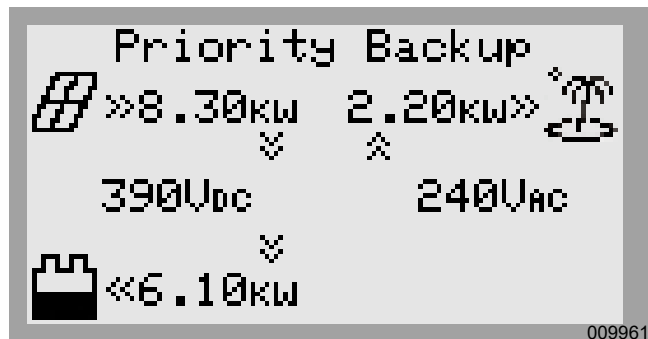


Figure 2-10. Priority Backup (2 of 2)

Self Supply

In Self Supply mode, the inverter prioritizes powering local loads using solar and/or stored power first. This mode is optimal in markets where net metering is unavailable or unfavorable, making battery-stored power more economically attractive than grid-provided power.

See **Figure 2-11**. If more power is being produced by the solar array than is needed by local loads, the inverter stores the energy in the battery for later use.

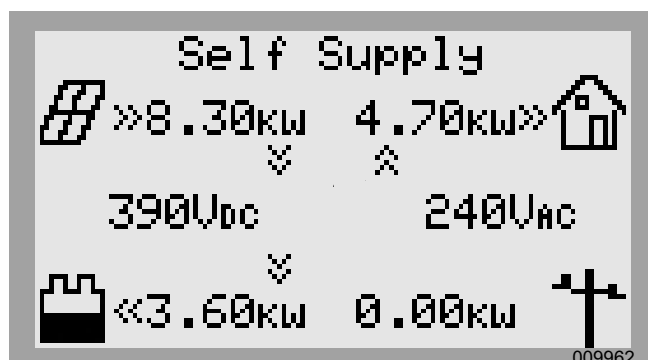


Figure 2-11. Self Supply (1 of 3)

See **Figure 2-12**. When the battery is full and a surplus of power is available, that surplus is exported to the grid.

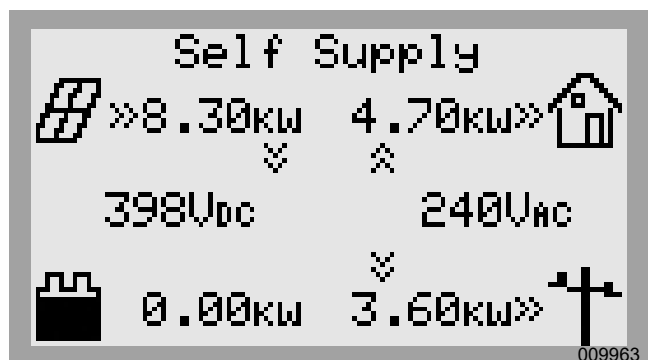


Figure 2-12. Self Supply (2 of 3)

See **Figure 2-13**. When local demand exceeds available solar-generated power, the battery supplies power to support local loads. If the building requires more power than the battery and solar can provide, then the excess demand is drawn from the grid.

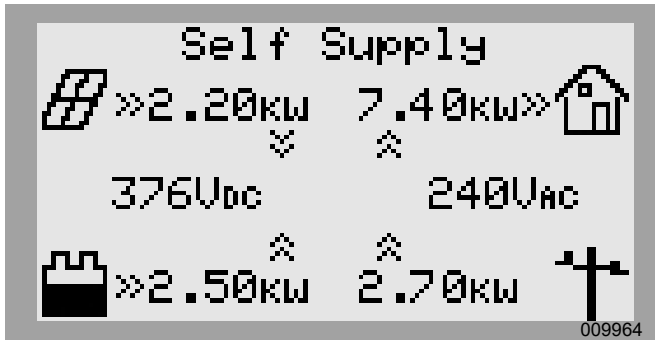


Figure 2-13. Self Supply (3 of 3)

Self Supply Setpoints

The TargMinImprtP and TargMaxImprtP setpoints allow the building to deliberately import power from the grid within certain limits. This is useful for specialized applications, such as peak avoidance.

These setpoints are relevant to Self Supply mode only, and are only used for specific applications. See **Table 2-3: Self Supply Setpoints**.

Table 2-3. Self Supply Setpoints

Setpoint	Description	Default	Units
TargMaxImprtP	<p>Target Maximum Import Power</p> <ul style="list-style-type: none"> Maximum power imported from the grid at any point. When the overall building load exceeds this setpoint, the inverter will supply additional power from the battery and solar array to keep grid import power below this level. This maximum is not guaranteed. If not enough battery and solar power is available to cover the load, then the grid will supply the additional power. 	0	W
TargMinImprtP	<p>Target Minimum Import Power</p> <ul style="list-style-type: none"> Use this setpoint to charge the battery from the grid. If the overall building load is less than this setpoint, the inverter will import power to the battery to keep the grid import power up to the setpoint. If the building load is above the setpoint, the inverter will not import additional power to charge the battery. This minimum is not guaranteed. Once the battery is full, grid import power may fall below this level. 	0	W

Sell

Sell mode commands the system to export all available power to the grid. Any connected batteries drain to the grid until their state of charge reaches the Min Arbitrage setpoint. Once a battery is depleted to this point, it will not charge again until the operational mode is changed. See the Generac PWRcell Battery Installation Manual for more information.

Zero Export

In some areas, solar PV systems are prohibited from back-feeding the AC grid. For these applications, enable Zero Export. With Zero Export enabled, the inverter does not send excess solar power to the grid. Instead, the system limits solar power generation such that it exactly matches the power consumed by local loads, resulting in no exported power.

Section 3: Operation

Operation and User Interface

See **Figure 3-1**. Generac PWRcell is controlled through the Generac PWRcell Inverter control panel. The inverter control panel is used for adjusting system settings and for interacting with devices.

- Use left and right arrows (A) to navigate between pages.
- Press center button (B) from a device page to modify device settings.

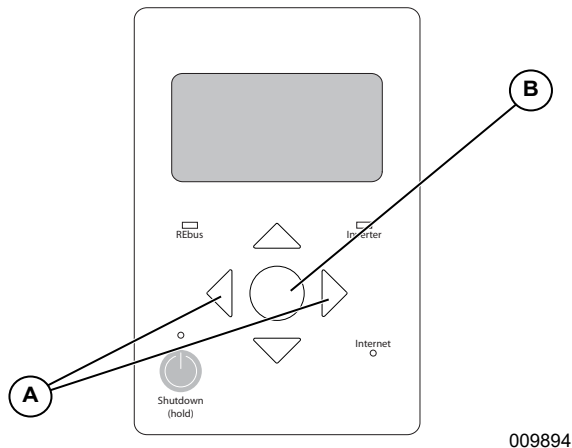


Figure 3-1. Inverter Control Panel

Home Screen

See **Figure 3-2**. The power flow display on the home screen illustrates the flow of power in the Generac PWRcell system. As power is generated, stored and consumed, animated arrows indicate the flow and direction of power. System AC and DC voltage levels are displayed near the center of the screen. The current operational mode is displayed at the top of the screen.

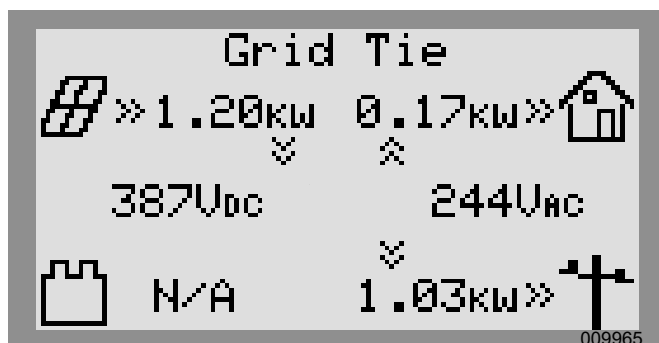


Figure 3-2. Home Screen

Selecting Operational Modes

Once a system is installed, an operational mode that best suits the user's needs must be set. Once set, the system remains in that mode without needing to be changed.

NOTE: An operational mode can be changed at any time.

To select an operational mode:

1. See **Figure 3-3**. While viewing the home screen press the center button.

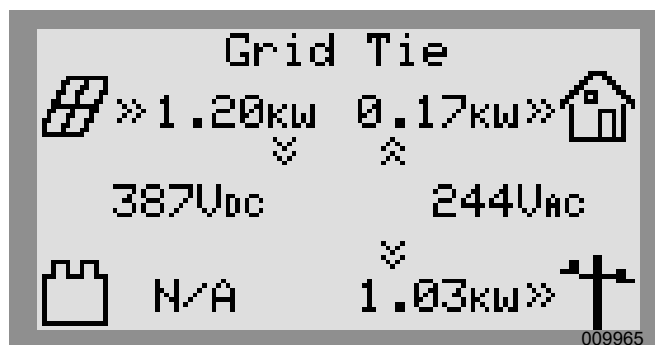


Figure 3-3. Selecting Operational Modes (1 of 4)

2. See **Figure 3-4**. A list of operational modes will be displayed with the current mode marked with an asterisk.

NOTE: The list of modes may not include all those shown in **Figure 3-4**.

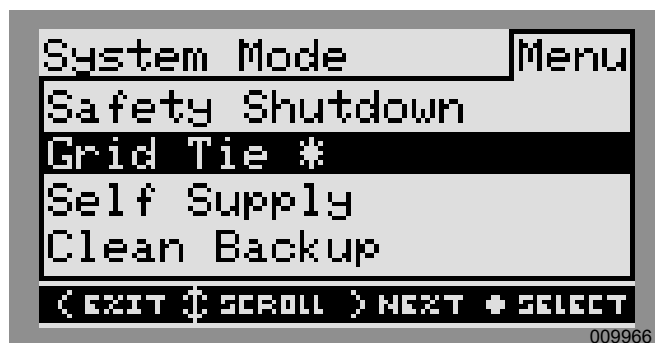


Figure 3-4. Selecting Operational Modes (2 of 4)

- See [Figure 3-5](#). Use the up and down arrows to highlight the desired mode and press the center button to select it.

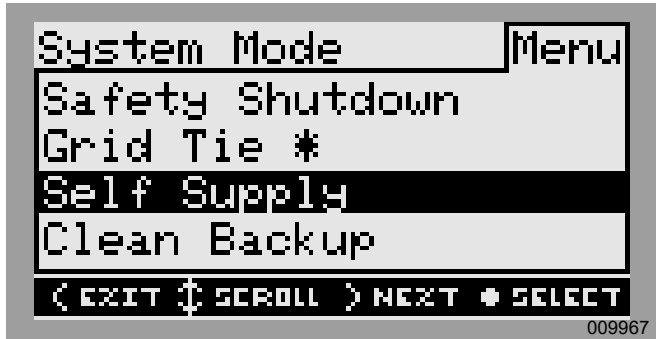


Figure 3-5. Selecting Operational Modes (3 of 4)

- Arrow right and press the center button to select Confirm.
- See [Figure 3-6](#). Verify the mode listed at the top of the home screen is the desired mode.

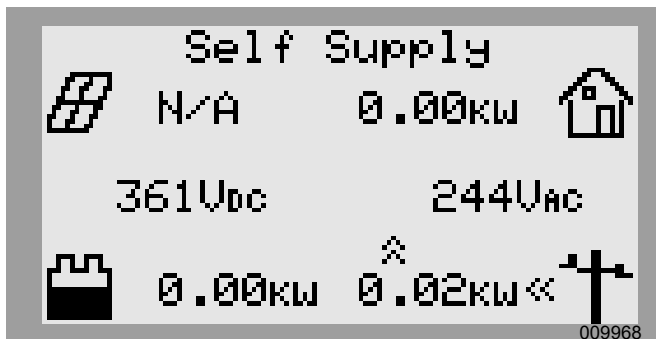


Figure 3-6. Selecting Operational Modes (4 of 4)

Device Pages

Each device connected to the system has its own device page. The device page contains basic information about the device, such as its power level and state.

- Use the left and right arrow keys to scroll through device pages.
- Press the center button to launch the main menu for that device.

NOTE: See [Figure 3-7](#). A Device Offline message indicates the device is disconnected or has lost communication with the inverter.

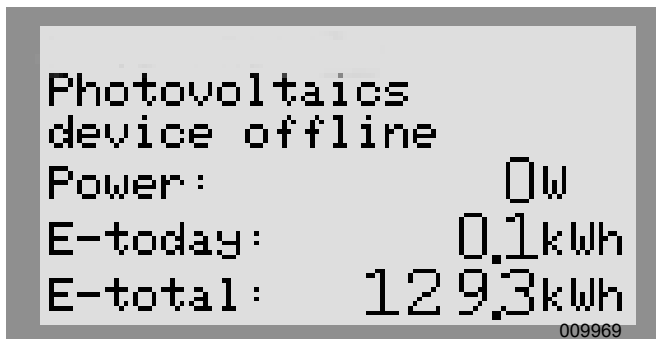


Figure 3-7. Device Pages

Enabling and Disabling Devices



DANGER

Electrocution. Initiate a system-wide safety shutdown and turn PWRcell Disconnect Switch OFF on all connected batteries before performing service. Failure to do so will result in death, serious injury, equipment and property damage. (000600)



DANGER

Electrocution. Never enable any device during an installation or while wires are exposed. Doing so could result in death, serious injury, equipment or property damage. (000627)

NOTE: If a device has never been enabled, it remains disabled until enabled by a user.

After a power outage, all REbus devices must be enabled by the user before the device will operate. If a device is disabled, the device will remain in a disabled state and will not resume operation until enabled by the user.

Once enabled, if grid power is present the inverter will create DC voltage, establishing the REbus nanogrid. All devices connected to REbus will wake up and begin communications.

To enable a device:

- Use the right arrow key to scroll to the desired device page.
- See [Figure 3-8](#). Verify the device status reads Disabled.

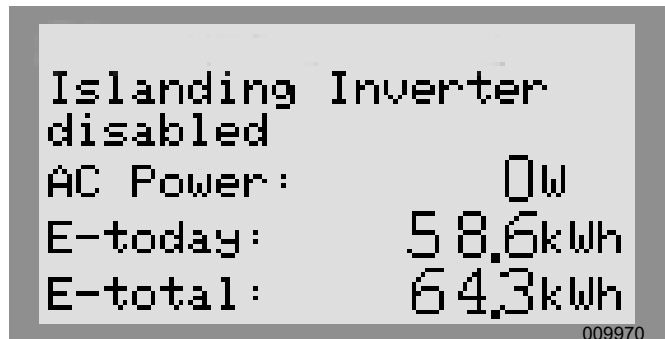


Figure 3-8. Enabling and Disabling Devices (1 of 3)

- Press the center button.

- See [Figure 3-9](#). Highlight Enable and press the center button.

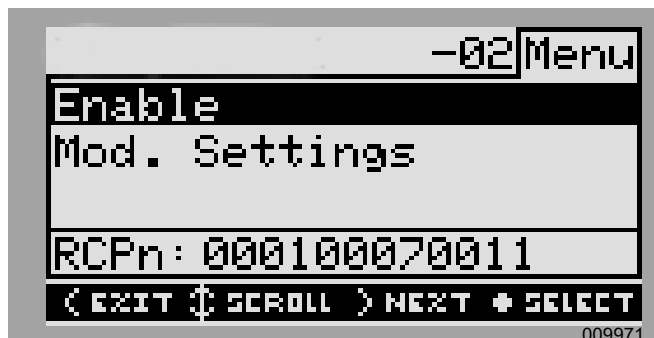


Figure 3-9. Enabling and Disabling Devices (2 of 3)

- See [Figure 3-10](#). Arrow right and press the center button to select Confirm.

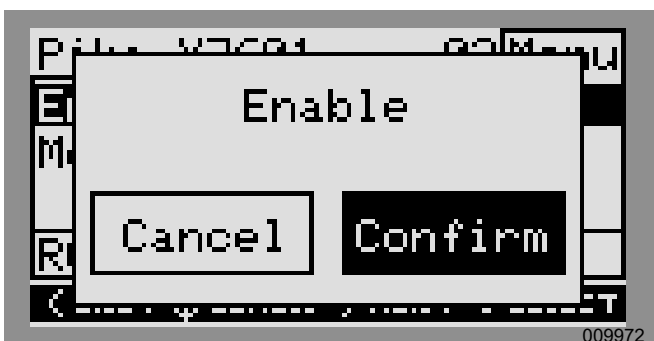


Figure 3-10. Enabling and Disabling Devices (3 of 3)

NOTE: Per UL1741, the Generac PWRcell Inverter may wait five minutes or longer before beginning to export power after the inverter has been enabled.

Mod. Settings Menu

Most REbus devices have user-adjustable parameters, such as setpoints for charge, startup voltage, or PLM channel. See [Table 3-4](#) for available inverter device settings.

To access user-adjustable parameters:

- Use the left and right arrows to navigate to the desired device page.
- See [Figure 3-11](#). Highlight Mod. Settings and press the center button to select.

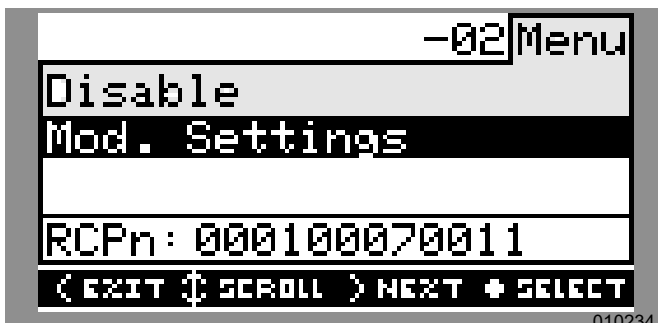


Figure 3-11. Internet Device Page

NOTE: After selecting Mod. Settings it may take a moment for the settings to load.

- See [Figure 3-12](#). Use the up and down arrows to scroll through available settings.
- Highlight the desired setting and press the center button to select.
- Use the up and down arrow keys to adjust the setting.

NOTE: Press the center button to deselect a setting at any time

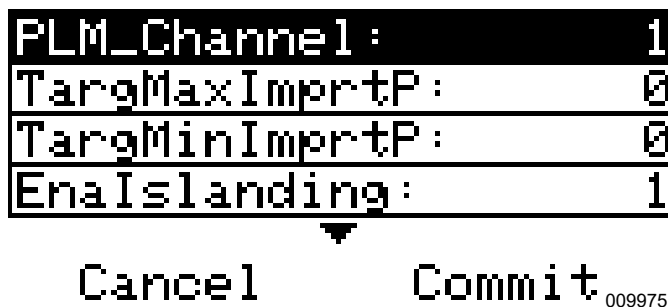


Figure 3-12. Mod. Settings Menu (2 of 3)

- See [Figure 3-14](#). To save the settings, highlight Commit and press the center button.

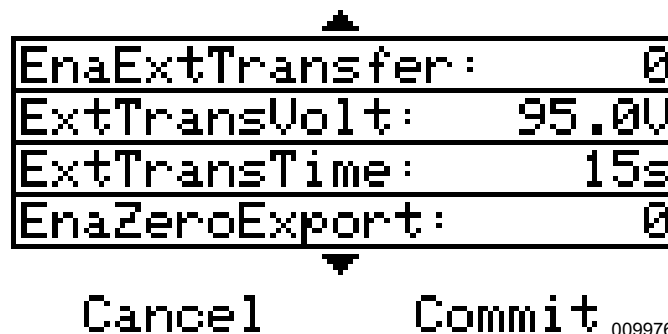


Figure 3-13. Mod. Settings Menu (3 of 3)

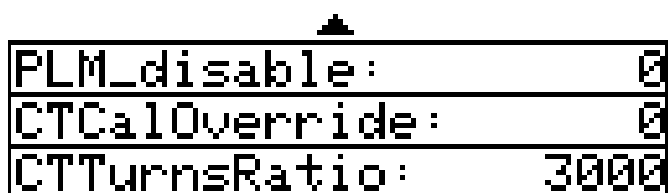


Figure 3-14. Mod. Settings Menu (3 of 3)

Table 3-4. Inverter Device Settings

Setpoint	Range	Default
PLM_Channel	0 - 12	1
TargMaxImprtP W	-30000 to +30000	0
TargMinImprtP W	-30000 to +30000	0
EnaIslanding	0 or 1	1
EnaExtTransfer	0 or 1	0
ExtTransVolt V	500-2000	950
ExtTransTime s	1-3600	15
EnaZeroExport	0 or 1	0
PLM_Disable	0 or 1	0
CalOverride	0 or 1	0
CTTurnsRatio	1500-3000	1500

Ethernet Configuration

Ethernet Setup

For the Generac PWRcell Inverter to communicate with the Generac server an Ethernet cable with a valid Internet connection must be plugged into the inverter Ethernet port.

- A blue Internet LED indicates the inverter has a successful connection to the PWRview server.
- If Internet LED is not illuminated, see the Generac PWRcell Inverter Installation Manual for troubleshooting and connection instructions.

NOTE: It is the installer’s responsibility to make sure the Internet connection is reliable and secure. Generac recommends always using a hardwired connection. Generac does not recommend or support using any wireless or power line carrier network devices. Use these devices at your own discretion.

Serial Number and Registration

NOTE: Registering an inverter automatically registers all REbus system components connected to that inverter.

Every REbus-enabled device can be monitored from the PWRview™ online monitoring system and mobile app.

To register a system for PWRview monitoring:

1. See **Figure 3-15**. Locate the serial number and registration code on the registration decal on the front of the inverter. This information will be required for registration.
2. Navigate to <https://register.generac.com/> or if using a mobile device scan the registration label QR code.
3. Follow the on-screen prompts to complete the profile.



009984

Figure 3-15. Serial Number and Registration

Other External Communications Generac Beacon

Generac Beacon allows the Generac PWRcell system to manage energy production and storage over the course of the day. This is called Time of Use (TOU) energy management. To take advantage of this functionality, the Generac PWRcell system must include a Generac PWRcell battery and a reliable connection to the Internet via an Ethernet connection to a router.

See the Generac PWRcell Inverter Installation Manual for more information on configuring Generac Beacon.

Section 4: Maintenance



⚠ DANGER

Electrocution. Activate safety shutdown before performing emergency or service work. Failure to do so could result in death, serious injury, equipment or property damage

(000628)



⚠ DANGER

Electrocution. Only an authorized technician should attempt to service this equipment. Failure to follow proper service requirements could result in death, serious injury, equipment or property damage

(000629)

Service

Generac PWRcell Inverter must be serviced by a qualified technician. See the Generac PWRcell Inverter Installation Manual for information and instructions on service and field-replaceable parts.

Maintenance

Periodically check the intake filter on the bottom of the enclosure to ensure it is not clogged with dust. See [Component Locations](#) for intake filter location.

Clean the filter with a soft brush or vacuum cleaner. Clean the exterior of the enclosure with a soft cloth.

Recovery From an Error State

Error events will force the Generac PWRcell Inverter into an error state where no DC power is exported, though voltage may still be present on REbus from connected devices. To recover a device from an error state, disable then enable that device. See [Enabling and Disabling Devices](#) for more information.

If the system is unable to be accessed, but is connected to the Internet, contact the nearest Independent Authorized Service Dealer (IASD) or Generac Customer Service at 1-888-436-3722 (1-888-GENERAC), or visit www.generac.com for assistance.

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