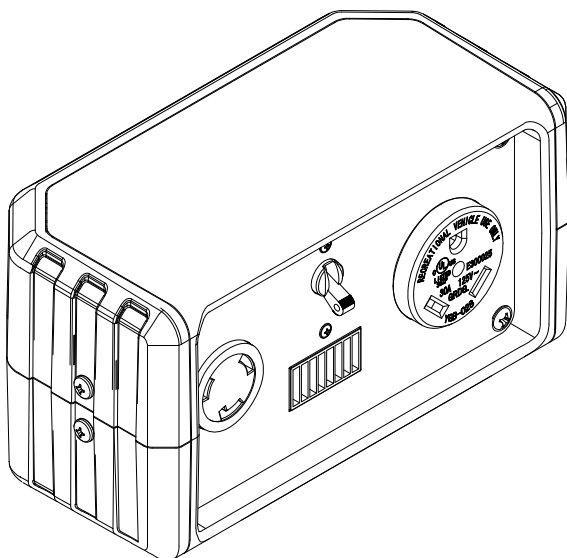




SIG22PK Inverter Parallel Kit Owner's Manual

⚠ DANGER

- ⚠** DEADLY EXHAUST FUMES! ONLY use OUTSIDE far away from windows, doors and vents!
- ⚠** NOT INTENDED FOR USE IN CRITICAL LIFE SUPPORT APPLICATIONS.
- ⚠** SAVE this Manual. Provide this manual to any operator of the generator.

Section 1 Introduction and Safety

Introduction

Thank you for purchasing this product. The Parallel Kit is designed to connect two inverter generators to provide twice the power output to a load.

 **WARNING**

Consult Manual Read and understand manual completely before using product. Failure to completely understand manual and product could result in death or serous injury.

If any section of the manual is not understood contact your nearest authorized dealer or contact SIMPSON Customer Service at 1-877-362-4271.

The owner is responsible for proper maintenance and safe use of the equipment. Before operating, servicing or storing this parallel kit:

Study all warnings in this manual and on the product carefully.

Become familiar with this manual and the unit before use.

Refer to the Assembly section of the manual for instructions on final assembly procedures. Follow the instructions completely.

Save these instructions for future reference. ALWAYS supply this manual to any individual that will use this machine.

THE INFORMATION CONTAINED HEREIN WAS BASED ON MACHINES IN PRODUCTION AT THE TIME OF PUBLICATION. SIMPSON RESERVES THE RIGHT TO MODIFY THIS MANUAL AT ANY TIME.

Safety Rules

The manufacturer cannot anticipate every possible circumstance that might involve a hazard. The warnings in this manual, and on tags and decals affixed to the unit, are therefore not all inclusive. Using this device outside its intended purpose or beyond its electrical rating, could be dangerous and lead to equipment failure.

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. Their definitions are as follows:

 **DANGER**

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

WARNING

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

CAUTION

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

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

These safety warnings 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.

Safety Symbols and Meanings

For safety reasons, it is recommended that the maintenance of this equipment be performed by an independent authorized service dealer.

WARNING

Equipment and property damage. Do not alter construction of, or installation of primary fuel tank
Doing so could result in death or serious injury, unsafe operation or generator damage.

When working on this equipment, remain alert at all times. Never work on the equipment when physically or mentally fatigued. Do not connect or disconnect parallel kit while running.

Electrical Hazards



DANGER

Electrocution. Contact with bare wires terminals, and connections while generator is running will result in death or serious injury.



DANGER

Electrocution hazard. Never connect this or any generator to the electrical grid. Connection to the grid can lead to serious injury or death to utility workers, and to equipment failure/fire when the utility supply is restored.



DANGER

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



DANGER

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



DANGER

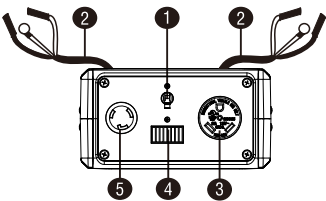
Electrocution hazard. In the event of electrical contact, first **TURN THE GENERATOR(S) OFF**, then remove the victim. Call for medical help before rendering first aid. Failure to do so could result in serious injury or **DEATH**.

Electrical Hazards

- 1.National Fire Protection Association (NFPA)70: The NATIONAL ELECTRIC CODE(NEC) available from www.nfpa.org
 - 2. National Fire Protection Association (NFPA)5000: BUILDING CONSTRUCTION AND SAFETY CODE available from www.nfpa.org
 - 3. International Building Code available from www.iccsafe.org
 - 4. Agricultural Wiring Handbook available From www.nerc.org, Rural Electricity Resource Council P.O. Box 309 Wilmington,OH45177-0309
 - 5. ASAE EP-3642 Installation and Maintenance of Farm Standby Electric Power Available from www.asabe.org.American Society of Agricultural Biological Engineers 2950 Niles Road, St. Joseph, MI 49085
 - 6. C22.2 100-14 Electric motors and generators for installation and use, in accordance with the Rules of the Canadian Electrical Code.
- This list is not all inclusive. Check with the Authority Having Jurisdiction(AHJ) for any local codes or standards which may be applicable to your jurisdiction
- Refer to the SIG2218 Inverter Owner's manual for complete list of generator alerts.**

Section 2 General Information and Setup

TABLE 1. Features and Controls



❶	Circuit Breaker – ON/OFF switch
❷	Grounded Plugs with Protective Outlet Covers
❸	Receptacle 120V 30A(NEMA TT-30R)
❹	Power display
❺	Receptacle 120V 30A(NEMA L5-30R)

Know Your Parallel Kit

 **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.

The Parallel Kit is designed to connect two inverter generators to provide twice the power output to a load.

IMPORTANT NOTE: Never connect parallel kit to a running Inverter.

Remove Contents from Carton

1. Remove and verify carton contents prior to assembly. Carton contents should contain the following:

TABLE 2. Product Specifications

Item	Qty.
Parallel Kit	1
Owner's Manual	1

2. Call SIMPSON Customer Service at 1-877-362-4271 with the unit model number for any missing carton contents.
3. Record date of purchase on front cover of this manual.

Section 3 Operation and Troubleshooting

Operation and Use Questions

NOTE: Parallel kit is designed for use with two SIG2218 inverter generators.

Call SIMPSON customer service at 1-877-362-4271 with questions or concerns about equipment operation and maintenance.

Startup

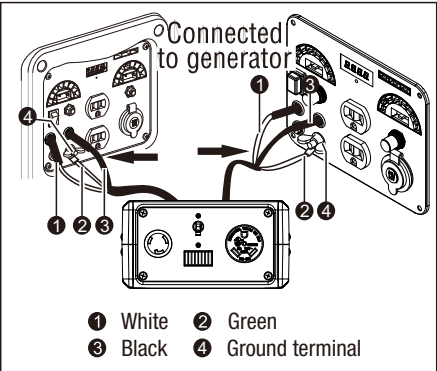


DANGER

Electrocution hazard. In the event of electrical contact, first TURN THE GENERATOR(S) OFF, then remove the victim. Call for medical help before rendering first aid. Failure to do so could result in serious injury or DEATH.

- 1. Verify SIG2218 inverter generators are ready for operation and powered OFF.
- 2. Verify there is no load connected to parallel kit output .
- 3. Connect the parallel kit to parallel outlets on both generators.

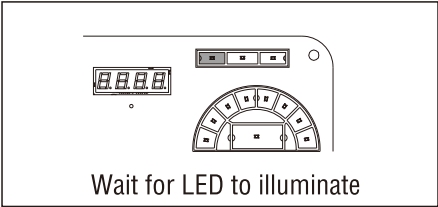
The white wire of the parallel box is connected to the red parallel socket on the left side of the panel. The black wire of the parallel box is connected to the black parallel socket on the right side of the panel. The green wire of the parallel box is connected to the grounding terminal of the generator.



NOTE: Before connecting the grounding wire, first remove the wingnut from the generator panel grounding lug. Next, place the ring terminal of the green wire onto the grounding lug. Thread on the wingnut; hand tighten.

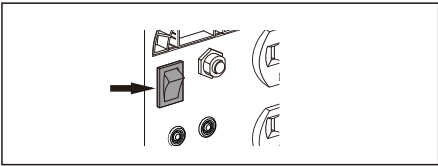
NOTE: When parallel kit is connected, do not connect loads to unused outlets on each generator.

4. Start first generator and wait for green Ready LED to illuminate.

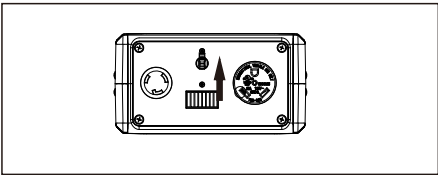


5. Start second generator and wait for green Ready LED to illuminate

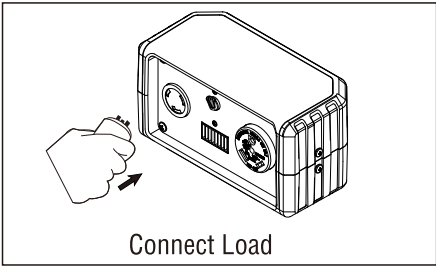
6. Verify both generators are in the same mode



7. Place the circuit breaker into the ON position.



8. Connect load to parallel kit. The load will now have power.



Shutdown

- 1. Turn the load OFF.
- 2. Place the circuit breaker into the OFF position.
- 3. Disconnect the load from the parallel box.
- 4. Shutdown the first generator.
- 5. Shutdown the second generator.

Troubleshooting

PROBLEM	CORRECTION
Green Ready LED not illuminating on either generator.	1. Check inverter connection. 2. Refer to SIG2218 Owners manual.
Load not powered.	1. Check inverter connections. 2. Check parallel kit output connection. 3. Try start sequence again(verify inverter generators are OFF before connecting and starting)and verify green Ready LEDs illuminate on both inverters. 4.Check if the circuit breaker is ON.

LIMITED WARRANTY

FNA Group, warrants to the original retail purchaser that this SIMPSON brand outdoor product is free from defect in material and workmanship and agrees to repair or replace, at FNA Group's, discretion, any defective product free of charge within these time periods from the date of purchase.

90 Days if the product is used for personal, family or household use.

This warranty extends to the original retail purchaser only and commences on the date of the original retail purchase. Any part of this product found in the reasonable judgment of FNA Group to be defective in material or workmanship will be repaired or replaced without charge for parts and labor by an authorized service center for SIMPSON brand outdoor products. (Authorized SIMPSON Service Center).

The product, including any defective part, must be returned to an authorized SIMPSON service center within the warranty period. The expense of delivering the product to the service center for warranty work and the expense of returning it back to the owner after repair or replacement will be paid by the owner. SIMPSON's responsibility in respect to claims is limited to making the required repairs or replacements and no claim of breach of warranty shall be cause for cancellation or rescission of the contract of sale of any SIMPSON brand outdoor product. Proof of purchase will be required by the dealer to substantiate any warranty claim. All warranty work must be performed by an authorized service center.

This warranty does not cover product used for rental or commercial purposes, or any other income-producing purpose.

This warranty does not cover any product that has been subject to abuse, misuse, neglect, negligence, accident, the effects of corrosion or erosion, or that has been operated in any way contrary to the operating instructions as specified in this operator's manual. This warranty does not apply to any damage to the product that is the result of improper maintenance or to any product that has been altered or modified. The warranty does not extend to repairs made necessary by normal wear or by the use of parts or accessories which are either incompatible with the SIMPSON brand outdoor product or adversely affect its operation, performance, or durability.

ALL IMPLIED WARRANTIES ARE LIMITED IN DURATION TO THE STATED WARRANTY PERIOD. ACCORDINGLY, ANY SUCH IMPLIED WARRANTIES INCLUDING MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE, OR OTHERWISE, ARE DISCLAIMED IN THEIR ENTIRETY AFTER THE EXPIRATION OF THE 90 DAY WARRANTY PERIOD.

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