

- Manuals.plus /
- > [Genkins](#) /
  - > Genkins GK3800i Portable Inverter Generator User Manual

Genkins GK3800i

Genkins GK3800i Portable Inverter Generator

User Manual

Model: GK3800i | Brand: Genkins

1. INTRODUCTION

This manual provides essential information for the safe operation, maintenance, and troubleshooting of your Genkins GK3800i Portable Inverter Generator. Please read this manual thoroughly before operating the generator to ensure proper use and to prevent injury or damage.

The Genkins GK3800i is designed to provide reliable portable power, delivering 3300 watts of consistent power with a peak output of 3800 watts. It features a 163cc OHV 4-stroke engine and is equipped with an ECO mode for extended run time and reduced noise.

# PANEL

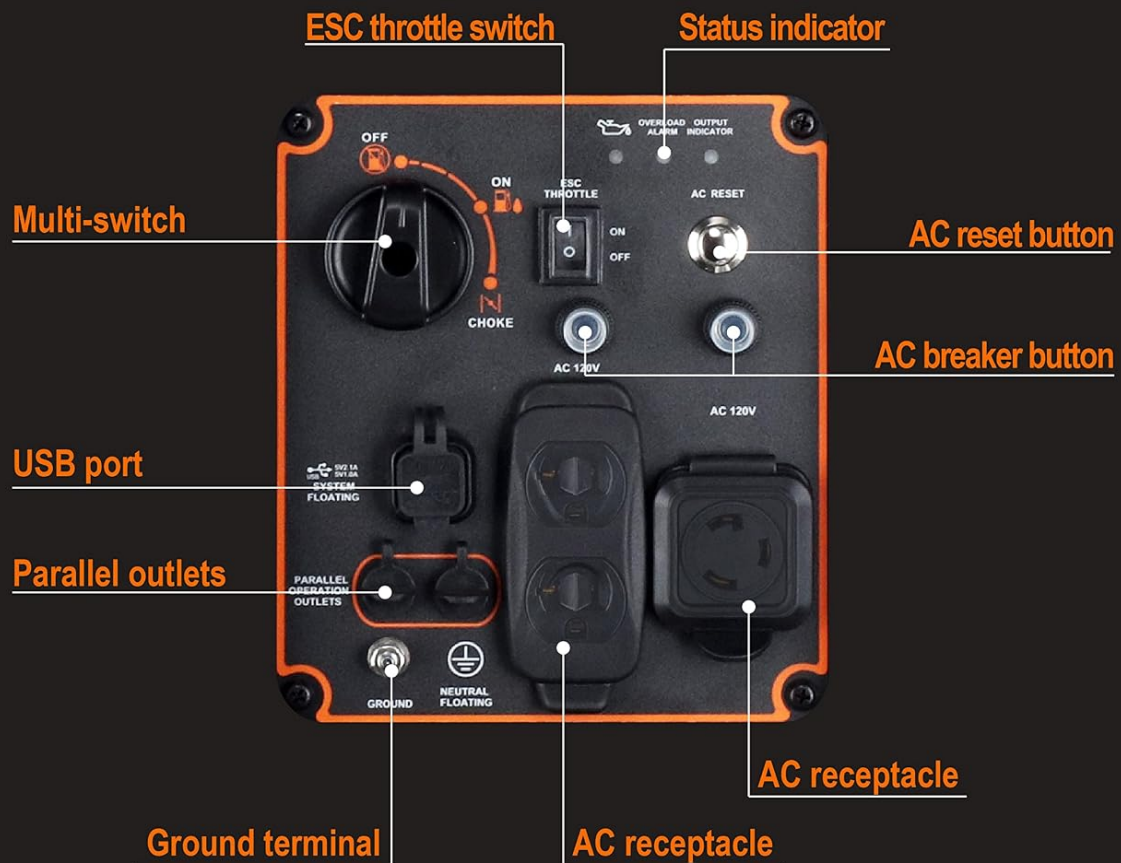


Image 1.1: Front view of the Genkins GK3800i Portable Inverter Generator.

## 2. SAFETY INFORMATION

Always observe safety precautions to prevent serious injury or death. This generator produces carbon monoxide, a colorless, odorless, poisonous gas. Operating it indoors can kill you in minutes.

### 2.1 General Safety

- Read and understand all instructions before operating the generator.
- Operate the generator outdoors only, far away from windows, doors, and vents.
- Keep children and pets away from the generator.
- Do not operate the generator in rain or wet conditions.
- Ensure adequate ventilation around the generator.
- Wear appropriate personal protective equipment (PPE) such as gloves and eye protection.

## 2.2 Fuel Safety

- Gasoline is highly flammable and its vapors are explosive. Handle fuel with extreme care.
- Store fuel in an approved container in a well-ventilated area.
- Never refuel a hot or running engine. Allow the generator to cool down before refueling.
- Do not overfill the fuel tank. Leave space for fuel expansion.
- Clean up any spilled fuel immediately.

## 2.3 Electrical Safety

- Never connect the generator directly to a building's electrical system without a transfer switch installed by a qualified electrician. This can cause backfeeding and electrocute utility workers.
- Use only approved extension cords that are rated for outdoor use and the load capacity.
- Ensure all electrical connections are secure and free from damage.
- Do not overload the generator.

## 3. PACKAGE CONTENTS

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Verify that all items are included in your package:

- Genkins GK3800i Inverter Generator
- User Manual (this document)
- Screwdriver
- Spark Plug Removal Tool
- Oil Funnel
- RV Adaptor (TT-30R 30 Amp adaptor)

# RV Adaptor

## Included In The Box



*Image 3.1: The included RV Adaptor (TT-30R 30 Amp) for the Genkins GK3800i generator.*

#### 4. PRODUCT OVERVIEW

Familiarize yourself with the components and controls of your Genkins GK3800i generator.





Image 4.1: Detailed view of the Genkins GK3800i control panel. This panel includes the ESC throttle switch, status indicator lights, AC reset button, AC breaker button, USB port, parallel outlets, ground terminal, and various AC receptacles.

- **ESC Throttle Switch:** Controls the engine speed for fuel efficiency (ECO mode) or full power.
- **Status Indicator:** Lights indicating overload, output, and alarm conditions.
- **AC Reset Button:** Resets the AC circuit breaker.
- **AC Breaker Button:** Manual AC circuit breaker.
- **USB Port:** Provides 5V/1A and 5V/2.1A DC power for charging devices.
- **Parallel Outlets:** For connecting two Genkins generators in parallel to increase power output.
- **Ground Terminal:** For connecting an external ground rod for safety.
- **AC Receptacles:** 120V AC outlets for connecting electrical devices.
- **Multi-switch:** Combines engine ON/OFF and CHOKE functions.

## 5. SETUP

## 5.1 Unpacking and Inspection

- Carefully remove the generator from its packaging.
- Inspect for any shipping damage. If damaged, contact customer support immediately.
- Ensure all included components are present.

## 5.2 Adding Engine Oil

The generator is shipped without engine oil. You must add the recommended oil before first use.

- Place the generator on a level surface.
- Remove the oil fill cap/dipstick.
- Using the provided oil funnel, add 0.45 quarts (approximately 426 ml) of SAE 15W-40 oil. Do not overfill.
- Replace the oil fill cap/dipstick securely.
- The generator features a low oil shutdown system to protect the engine.

## 5.3 Adding Fuel

Use only fresh, unleaded gasoline with an octane rating of 87 or higher.

- Ensure the generator is turned OFF and has cooled down.
- Open the fuel tank cap.
- Carefully pour gasoline into the fuel tank, up to the fill limit. The tank capacity is 2.11 gallons.
- Do not overfill.
- Securely close the fuel tank cap.

## 5.4 Grounding the Generator

For safety, especially at maximum load, it is recommended to ground the generator using an external grounding rod. Connect a heavy-gauge wire from the generator's ground terminal to a grounding rod driven into the earth.

# 6. OPERATING INSTRUCTIONS

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## 6.1 Starting the Engine

- Ensure the generator is on a level surface and in a well-ventilated outdoor area.
- Disconnect all electrical loads from the generator.
- Turn the multi-switch to the **CHOKE** position (if the engine is cold).
- Pull the recoil starter handle firmly and smoothly until the engine starts.
- Once the engine starts, slowly move the multi-switch to the **ON** position.
- Allow the engine to warm up for a few minutes before connecting electrical loads.

## 6.2 ECO Mode Operation

The ESC throttle switch allows you to engage ECO mode for fuel efficiency and quieter operation when the load is low.

- To activate ECO mode, set the ESC throttle switch to **ON**. The engine speed will automatically adjust to match the load.
- For full power or when starting high-load appliances, set the ESC throttle switch to **OFF**.

## 6.3 Connecting Electrical Devices

- Ensure the generator is running stably.

- Plug your electrical devices into the appropriate AC receptacles or USB ports.
- Do not exceed the generator's rated output of 3300 watts (3800 watts peak).
- If an overload occurs, the overload indicator light will illuminate, and the output may shut down. Disconnect devices, press the AC reset button, and restart if necessary.

## 6.4 Stopping the Engine

- Disconnect all electrical loads from the generator.
- Allow the engine to run for a few minutes without load to cool down.
- Turn the multi-switch to the **OFF** position.

## 7. MAINTENANCE

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Regular maintenance is crucial for the longevity and reliable operation of your generator. Always perform maintenance with the engine OFF and cooled.

### 7.1 Engine Oil Change

- Change oil after the first 20 hours of operation, then every 100 hours or annually.
- Warm up the engine for a few minutes, then turn it OFF.
- Place a drain pan under the oil drain plug.
- Remove the oil drain plug and oil fill cap/dipstick to allow oil to drain completely.
- Reinstall the drain plug and refill with 0.45 quarts of SAE 15W-40 oil.

### 7.2 Air Filter Maintenance

- Inspect the air filter every 50 hours or monthly. Clean or replace if dirty.
- Remove the air filter cover and element.
- Wash the foam element in warm, soapy water, rinse, and allow to dry completely.
- Lightly oil the foam element with engine oil, then squeeze out excess.
- Reinstall the air filter element and cover.

### 7.3 Spark Plug Inspection

- Inspect the spark plug every 100 hours or annually.
- Remove the spark plug cap and use the provided spark plug tool to remove the plug.
- Check for carbon deposits or discoloration. Clean with a wire brush or replace if necessary.
- Ensure the spark plug gap is correct (refer to specifications).
- Reinstall the spark plug and cap.

### 7.4 Storage

- For storage longer than 30 days, drain the fuel tank and carburetor.
- Add a fuel stabilizer to the fuel tank if not draining.
- Change the engine oil.
- Clean the generator thoroughly.
- Store in a clean, dry, well-ventilated area.

## 8. TROUBLESHOOTING

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| Problem                | Possible Cause             | Solution                         |
|------------------------|----------------------------|----------------------------------|
| Engine will not start  | No fuel or stale fuel      | Add fresh gasoline               |
|                        | Low engine oil             | Add engine oil to correct level  |
|                        | Spark plug issue           | Inspect/clean/replace spark plug |
|                        | Choke not set correctly    | Adjust choke as needed           |
| No power output        | Overload                   | Reduce load                      |
|                        | AC circuit breaker tripped | Press AC reset button            |
|                        | Loose connections          | Check all connections            |
| Engine runs rough      | Stale fuel                 | Drain and refill with fresh fuel |
|                        | Dirty air filter           | Clean/replace air filter         |
|                        | Spark plug issue           | Inspect/clean/replace spark plug |
| Low oil alert light on | Low engine oil level       | Add engine oil to correct level  |

## 9. SPECIFICATIONS

| Feature              | Specification                  |
|----------------------|--------------------------------|
| Model                | GK3800i                        |
| Rated Output         | 3300 Watts                     |
| Max. Output          | 3800 Watts                     |
| Engine Type          | OHV, 4-stroke, 163cc           |
| Fuel Type            | Unleaded Gasoline (87+ Octane) |
| Fuel Tank Capacity   | 2.11 Gallons                   |
| Oil Type Recommended | SAE 15W-40                     |
| Oil Volume           | 0.45 Quarts                    |
| Run Time (1/2 Load)  | 8 Hours                        |
| Noise Level (7M)     | 57 dB (ECO mode)               |
| Voltage/Frequency    | 120V/60Hz                      |
| Net Weight           | 58.5 lbs                       |
| Dimensions (L×W×H)   | 22.6" × 13.4" × 20.9"          |
| Emissions            | EPA Compliant                  |



Image 9.1: Physical dimensions of the Genkins GK3800i generator.

## 10. WARRANTY AND SUPPORT

The Genkins GK3800i Portable Inverter Generator comes with a **2-year limited warranty**. Additionally, Genkins provides **lifetime free technical support** to assist with any technical issues you may encounter.

For warranty claims, technical assistance, or replacement parts, please contact Genkins customer support directly. Refer to the contact information provided with your purchase or on the official Genkins website.

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