AIVOLT SC1700iJP

AIVOLT SC1700iJP 1700W Inverter Generator User Manual

Model: SC1700iJP | Brand: AIVOLT

1. Introduction

Thank you for choosing the AIVOLT SC1700iJP 1700W Inverter Generator. This manual provides essential information for the safe and efficient operation, maintenance, and troubleshooting of your generator. Please read this manual thoroughly before use and keep it for future reference.

This compact and lightweight inverter generator delivers high-quality, stable power, making it ideal for sensitive electronics, outdoor activities, emergency backup, and various DIY projects. Its advanced features ensure quiet operation and fuel efficiency.



Image: The AIVOLT SC1700iJP Inverter Generator in an outdoor setting, highlighting its portability and versatility.

2. Safety Information

Always prioritize safety when operating the generator. Failure to follow these instructions can result in serious injury or death.

- **Carbon Monoxide Hazard:** Never operate the generator indoors or in enclosed spaces. Exhaust contains carbon monoxide, a colorless, odorless, poisonous gas.
- **Fire Hazard:** Gasoline is highly flammable. Refuel in a well-ventilated area with the engine off and cool. Do not smoke near the generator.
- **Electrical Shock Hazard:** Do not operate the generator in wet conditions. Ensure all electrical connections are secure and dry. Ground the generator properly.
- **Hot Surfaces:** The generator's engine and muffler become very hot during operation and remain hot for some time after shutdown. Avoid contact.
- **Children and Pets:** Keep children and pets away from the generator at all times.
- **Personal Protective Equipment:** Wear appropriate safety gear, such as gloves and eye protection, when handling fuel or performing maintenance.

This product is PSE certified, complying with Japan's Electrical Appliance and Material Safety Act, ensuring a high standard of safety.

3. Product Features

3.1 High-Precision Pure Sine Wave Output

The AIVOLT SC1700iJP generator produces a high-precision pure sine wave output with a total harmonic distortion (THD) of less than 2.5%. This clean power is comparable to commercial electricity, making it safe for sensitive electronic devices such as computers, smartphones, medical equipment, and precision measuring instruments.

- **Output Ports:** Equipped with two AC outlets and one cigarette lighter socket, allowing simultaneous power supply up to 1.6kVA.
- **Frequency Switch:** Easily switch between 50Hz and 60Hz to accommodate various regional power requirements.



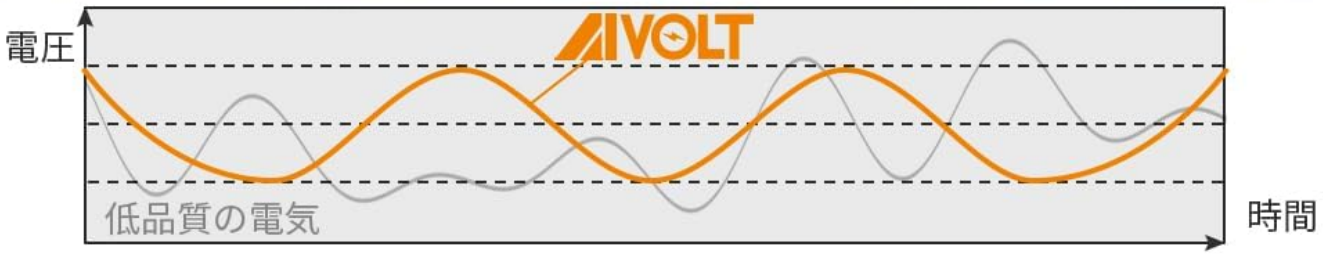


Image: The AIVOLT SC1700iJP Inverter Generator providing stable power to a laptop and other devices in an outdoor setting.



Image: A diagram illustrating the generator's versatile 3-way output, including AC, DC, and USB ports.

3.2 Lightweight Design & Extended Operation

Powered by a fuel-efficient 4-stroke OHV engine, this generator balances high output with energy savings. Its newly developed engine and a 3-liter fuel tank allow for up to 12 hours of continuous operation at 25% load. The compact and lightweight design (15kg dry weight) ensures easy transport for camping, events, disaster preparedness, and other long-term use scenarios.



Image: A person demonstrating the ease of carrying the lightweight AIVOLT SC1700iJP Inverter Generator.

3.3 Quiet Operation & Eco-Mode

The generator features a unique soundproof box and multi-stage sound-absorbing cotton, reducing noise by up to 50%. In Eco-mode, it operates quietly at 51-60dB, making it suitable for nighttime use or in residential areas. Eco-mode also improves fuel efficiency by up to 9%, providing efficient power supply.



Image: A chart comparing the noise level of the AIVOLT SC1700iJP Inverter Generator (60dB at 7m, 1/4 load) to common sounds like a library (20dB) and normal conversation (35dB).

3.4 User-Friendly Operation & Maintenance

The generator is designed for enhanced visibility and operability. An hour meter allows easy monitoring of usage time. The 3-in-1 switch (STOP/RUN/START) and a lightweight recoil starter enable anyone to start the engine easily without specialized knowledge. The control panel centralizes all switches for stress-free operation. The protective cover can be easily removed with a single screwdriver for routine inspections and oil maintenance.



定格出力	連続運転可能時間	乾燥重量
1.6kVA	約3～8時間	15kg

※定格負荷～エコモード

Image: A detailed view of the control panel of the AIVOLT SC1700iJP Inverter Generator, showing the 3-in-1 switch, outlets, and indicators.

4. Setup

Before starting the generator, ensure it is placed on a level surface in a well-ventilated outdoor area, away from windows and doors.

1. **Add Engine Oil:** Remove the oil filler cap/dipstick. Slowly pour the recommended engine oil (refer to specifications) into the oil filler opening until it reaches the upper level mark on the dipstick. Do not overfill.
2. **Add Fuel:** Ensure the engine is off and cool. Open the fuel tank cap and carefully pour fresh, unleaded gasoline into the tank. Do not fill above the red indicator line. Securely close the fuel tank cap.
3. **Connect Devices:** Plug your electrical devices into the appropriate AC, DC, or USB outlets. Ensure the total load does not exceed the generator's rated output.
4. **Select Frequency:** Use the frequency switch on the control panel to select either 50Hz or 60Hz, depending on your region's power standard.



Image: A visual quick start guide showing steps for adding fuel, starting the engine, and connecting devices.

5. Operating Instructions

5.1 Starting the Engine

1. Ensure the generator is set up safely as described in Section 4.
2. Turn the 3-in-1 switch to the**START** position.
3. Pull the recoil starter handle firmly and smoothly until the engine starts. You may need to pull it a few times.
4. Once the engine starts, slowly return the 3-in-1 switch to the**RUN** position.

5.2 Using Eco-Mode

To activate Eco-mode, press the ECO switch on the control panel. In Eco-mode, the engine speed automatically adjusts to the connected load, reducing fuel consumption and noise levels. This mode is recommended for lighter loads or when quiet operation is desired.

5.3 Stopping the Engine

1. Disconnect all electrical devices from the generator.
2. Turn the 3-in-1 switch to the**STOP** position.
3. Allow the engine to cool down before storing.

6. Maintenance

Regular maintenance is crucial for the longevity and optimal performance of your generator. Always ensure the engine is off and cool before performing any maintenance.

- **Engine Oil:** Check the oil level before each use. Change the engine oil every 50 hours of operation or every 6 months, whichever comes first.
- **Air Filter:** Clean the air filter element every 50 hours of operation or every 3 months. Replace if damaged.
- **Spark Plug:** Inspect the spark plug every 100 hours of operation or annually. Clean or replace as needed.
- **Fuel System:** Drain the fuel tank and carburetor if storing the generator for an extended period (more than 30 days) to prevent fuel degradation.
- **General Cleaning:** Keep the generator clean and free of debris. Use a soft cloth to wipe down exterior surfaces.



Image: A diagram illustrating the easy access points for routine maintenance, such as oil checks and air filter cleaning.

7. Troubleshooting

This section covers common issues you might encounter. For problems not listed here, please contact customer support.

Problem	Possible Cause	Solution
Engine does not start	No fuel Low engine oil Spark plug issue 3-in-1 switch not in START/RUN	Add fuel Add engine oil Inspect/clean/replace spark plug Set switch to START, then RUN
No power output	Overload protection activated Circuit breaker tripped Frequency switch incorrect	Reduce load, restart generator Reset circuit breaker Set frequency switch to 50Hz or 60Hz
Engine runs, but stops quickly	Low engine oil Overheat protection activated	Add engine oil Allow generator to cool, ensure proper ventilation
Excessive noise or vibration	Loose components Generator on uneven surface	Check and tighten all fasteners Place generator on a firm, level surface

Indicator Lights: The control panel features indicator lights for oil alert, overload protection, and overheat protection. Refer to the control panel diagram in Section 3.4 for their locations and meanings.

8. Specifications

Feature	Specification
Brand	AIVOLT
Model	SC1700iJP
Rated Output	1.6 kVA
Max Output	1.7 kW (1700W)
Engine Type	4-stroke OHV
Fuel Type	Gasoline
Fuel Tank Capacity	3 Liters
Continuous Operation Time (25% load)	Up to 12 hours
Frequency	50Hz / 60Hz (Switchable)
Noise Level (Eco-mode)	51-60 dB
Dry Weight	15 kg
Dimensions (L x W x H)	47 cm x 25 cm x 41 cm
Output Ports	2 x AC 100V, 1 x DC 12V (Cigarette Socket), 1 x USB
Certifications	PSE Certified



Image: A visual representation of the generator's dimensions and key features, including frequency switching, hour meter, output protection, Eco-mode, quiet design, gasoline fuel, and oil alert.

9. Warranty and Support

AIVOLT is committed to providing safe, high-quality products and services. We strive daily to ensure customer satisfaction.

- **2-Year Warranty:** Your AIVOLT generator comes with a 2-year quality warranty. In the unlikely event of a malfunction, we will provide free support.
- **Quality Assurance:** All products undergo manual startup inspection and thorough checks of appearance and performance before shipment.
- **Customer Support:** Our dedicated service team is available to assist you.

If you have any questions or require assistance, please contact us:

Email: aivolt.official@gmail.com

Via Amazon: Go to your Amazon account service > Order history > Your order > Problem with order > Contact seller.



Image: Information regarding AIVOLT's 2-year warranty, quality checks, and contact details for customer support.

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Ask a question about this manual

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

Name

Anonymous

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After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. Privacy details.

Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question