VEVOR RV50H/SS2-50R+LSTK06

VEVOR 50 Amp Generator Cord and Power Inlet Box Kit User Manual

Model: RV50H/SS2-50R+LSTK06 | Brand: VEVOR

1. Introduction

This manual provides essential information for the safe and effective installation, operation, and maintenance of your VEVOR 50 Amp Generator Cord and Power Inlet Box Kit. This kit is designed to provide a secure and convenient emergency power supply solution for your home or RV during outages. Please read this manual thoroughly before use and retain it for future reference.

2. Safety Information

WARNING: Electrical Shock Hazard. Improper installation or use can result in serious injury or death.

- Always ensure the generator is off and disconnected before performing any installation or maintenance.
- Installation should be performed by a qualified electrician in accordance with all local and national electrical codes.
- Do not exceed the rated amperage (50 Amp) of the cord and inlet box.
- Ensure all connections are secure and free from moisture.
- Keep children and pets away from the generator and electrical connections during operation.
- Inspect the cord and inlet box for any damage before each use. Do not use if damaged.

3. Package Contents

Verify that all components are present and undamaged upon unpacking:

- 1 x 50 Amp Generator Extension Cord (15 FT, NEMA 14-50P / SS2-50R)
- 1 x 50 Amp Power Inlet Box (SS2-50P)
- 1 x PVC Carrying Strap
- 1 x Non-woven Storage Bag
- 3 x Mounting Screws

- User Manual (this document)

Figure 3.1: Complete VEVOR 50 Amp Generator Cord and Power Inlet Box Kit components.

4. Specifications

Feature	Detail
Model Number	RV50H/SS2-50R+LSTK06
Cord Gauge	STW 6/3 + 8/1 AWG
Current Rating	50 Amp
Voltage	2.4E+2 Volts (AC)
Cord Length	15 FT
Male Plug Type	NEMA 14-50P

Feature	Detail
Female Plug Type	NEMA SS2-50R (Twist-Lock)
Inlet Box Plug Type	SS2-50P
Certifications	ETL Listed
Material	Pure Copper Wiring, Flame-Retardant PVC (Cord), Rust-Resistant Coated Metal (Inlet Box)
Inlet Box Dimensions	7.01 x 4.61 x 4.33 inches
Item Weight	17.15 pounds

Figure 4.1: Detailed dimensions of the VEVOR 50 Amp Generator Cord and Power Inlet Box.

5. Setup and Installation

The power inlet box is designed for outdoor installation on a wall near your main electrical panel. It features pre-drilled holes

for simplified mounting.

5.1 Power Inlet Box Installation

1. **Select Location:** Choose a suitable outdoor location for the power inlet box, preferably near your main electrical panel and where your generator will be safely operated. Ensure the surface is stable and can support the box.
2. **Mount the Box:** Use the provided mounting screws to securely attach the power inlet box to the chosen surface. The box is pre-drilled for convenience.
3. **Wiring (Professional Installation Recommended):**
    - Turn off the main breaker at your electrical panel before beginning any wiring.
    - Run appropriate gauge electrical wire (e.g., 6 AWG copper for 50A) from your main electrical panel (or transfer switch) to the power inlet box.
    - Connect the wires to the corresponding terminals inside the inlet box. Ensure all connections are tight and correct (Line 1, Line 2, Neutral, Ground).
    - Secure the wiring within the box and close the cover.

Figure 5.1: The power inlet box is designed to withstand various weather conditions, including rain, wind, and dust.

Figure 5.2: Visual guide showing the installation steps for the power inlet box, including internal wiring connections.

6. Operating Instructions

Follow these steps to safely connect and operate your generator with the VEVOR kit:

1. **Prepare Generator:** Ensure your generator is turned off and positioned in a well-ventilated area, away from windows and doors, to prevent carbon monoxide buildup.
2. **Connect to Generator:** Take the NEMA 14-50P male plug end of the 15FT generator cord and firmly insert it into the corresponding 50A outlet on your generator. The ergonomically designed handle assists with connection.
3. **Connect to Inlet Box:** Open the flip cover of the installed power inlet box. Align the NEMA SS2-50R female plug end of the cord with the SS2-50P male end in the inlet box. Insert and twist to lock the connection securely. The twist-lock mechanism ensures a stable, slip-free connection.
4. **Verify Power:** The clear indicator light on the flip cover of the inlet box will illuminate when power is successfully connected from the generator to the box.
5. **Start Generator:** Once all connections are secure, start your generator according to its manufacturer's instructions.
6. **Transfer Power:** Use your transfer switch (if installed) to safely transfer power from the utility grid to the generator.
7. **Disconnect:** To disconnect, first turn off the generator, then disconnect the cord from the inlet box by twisting and

pulling, and finally disconnect from the generator.

Figure 6.1: Illustration of connecting the generator cord to both the generator and the power inlet box.

Figure 6.2: Close-up of the twist-lock system on the female plug and the ergonomic handle on the male plug for ease of use.

7. Maintenance

Proper maintenance ensures the longevity and safe operation of your VEVOR kit:

- **Regular Inspection:** Periodically inspect the entire cord, plugs, and the inlet box for any signs of wear, cuts, cracks, corrosion, or other damage. Pay close attention to the insulation and plug pins.
- **Cleaning:** Keep the cord and inlet box clean and free from dirt, debris, and moisture. Use a dry cloth to wipe down surfaces. Do not use harsh chemicals or abrasive cleaners.
- **Storage:** When not in use, coil the generator cord neatly and store it in the provided non-woven bag. Use the PVC carrying strap to secure the coiled cord. Store the kit in a dry, cool place, away from direct sunlight and extreme temperatures.
- **Inlet Box Protection:** Ensure the flip cover on the power inlet box is always closed when not in use to protect the internal components from dust, moisture, and debris. The rust-resistant coating provides robust protection against outdoor elements.

Figure 7.1: The power inlet box is designed to withstand various weather conditions, including rain, wind, and dust.

8. Troubleshooting

If you encounter issues, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
No power to the inlet box indicator light.	Generator not running or not producing power; cord not fully connected; internal wiring issue.	Ensure generator is running and producing power. Check that both ends of the cord are securely connected. If issue persists, consult a qualified electrician for internal wiring inspection.
Cord feels warm during operation.	Normal operation under load; excessive load; damaged cord.	A slight warmth is normal. If the cord is excessively hot, reduce the load on the generator. Inspect the cord for damage; replace if necessary.

Problem	Possible Cause	Solution
Plug connection feels loose.	Twist-lock not fully engaged; damaged plug/inlet.	Ensure the female plug is fully inserted and twisted to lock into the inlet box. Inspect for physical damage to the plugs or inlet; replace if damaged.

For issues not listed here or if solutions do not resolve the problem, contact VEVOR customer support or a qualified electrician.

9. Warranty and Support

The VEVOR 50 Amp Generator Cord and Power Inlet Box Kit is ETL Listed, ensuring compliance with North American safety standards. For warranty information, technical support, or customer service, please visit the official VEVOR website or contact their support team directly.
Official VEVOR Support: www.vevor.com/support