

Last updated: 20/11/24

### Disclaimer for Intended Use

*"This product is designed and marketed exclusively for **non-household applications**, including use in **automobiles, recreational vehicles (RVs), boats, trucks, and other mobile or off-grid setups**. It is not intended for connection to household mains power systems or for integration into fixed electrical installations in residential or commercial buildings.*

*This inverter complies with safety and electromagnetic compatibility requirements applicable to its intended uses. Any use outside these specified applications may result in damage to the product, void warranties, and may not comply with local safety regulations.*

*Users are responsible for ensuring that the inverter is used in accordance with the guidelines provided in this manual. If you have questions about appropriate applications, please contact our support team."*

### Intended Use Guide

*Disclaimer: Please read this guide thoroughly before using the product.*

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### Intended Applications

This **Pure Sine Wave Power Inverter** is designed exclusively for **non-household applications**, including but not limited to:

- **Automobiles:** Providing power to electronic devices in cars and trucks.
  - **Recreational Vehicles (RVs):** Supplying electricity for appliances and gadgets during travel.
  - **Boats and Marine Vessels:** Powering equipment on boats while off-grid.
  - **Off-Grid Setups:** Camping, outdoor events, and emergency situations where standard power sources are unavailable.
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### Environmental Conditions

- **Operating Temperature:** -13°F to +140°F (-25°C to +60°C). Optimal operating temperature is 50°F to 77°F (10°C to 25°C).
  - **Humidity:** Maximum 90%, non-condensing.
  - **Ventilation:** Ensure at least 15–25 cm (6–10 inches) of clearance around the inverter for adequate airflow. Do not obstruct the cooling fans or vents.
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### Prohibited Uses

- **Household Mains Connection:** **Do not** connect the inverter to residential or commercial electrical systems or mains power.

- **Grid-Tied Systems:** The inverter is **not compatible** with grid-connected power sources.
  - **Life-Support Equipment: Do not** use with medical devices or any equipment where power failure could result in harm or death.
  - **Hazardous Environments:** Avoid using in locations with flammable gases, liquids, or explosive atmospheres.
  - **High-Risk Activities: Do not** use in aircraft, aerospace applications, or any activities requiring fail-safe performance.
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### Safety Precautions

- **Installation by Qualified Personnel:** Installation should be carried out by individuals familiar with electrical systems and safety practices.
  - **Proper Grounding:** Ensure the inverter is correctly grounded according to the guidelines in the **Product Manual**.
  - **Avoid Modifications: Do not** disassemble, modify, or attempt to repair the inverter yourself. Unauthorised alterations may void the warranty.
  - **Regular Inspection:** Periodically check the inverter and all connections for signs of wear, damage, or loose components.
  - **Battery Safety:**
    - **Correct Specifications:** Use only batteries of the correct voltage and capacity as specified in the Product Manual.
    - **Handling Precautions:** Follow all safety instructions regarding battery handling, charging, and disposal.
  - **Environmental Safety:** Keep the inverter away from moisture, dust, and direct sunlight.
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### User Responsibilities

- **Read the Product Manual:** Familiarise yourself with all operating instructions and safety guidelines before use.
  - **Compliance with Laws:** Adhere to all applicable local, state, and national regulations, including electrical codes and safety standards.
  - **Safe Operation:** Use the inverter only for its intended purposes and within the specified operating parameters.
  - **Maintenance:** Perform maintenance procedures as outlined in the Product Manual to ensure longevity and safety.
  - **Reporting Issues:** Promptly report any defects, malfunctions, or safety concerns to our customer support team.
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## Risks of Improper Use

Using the inverter outside of its intended applications or failing to follow safety guidelines may result in:

- **Personal Injury:** Risk of electric shock, burns, or other injuries.
  - **Property Damage:** Potential for fire, damage to the inverter, connected devices, or surrounding property.
  - **Warranty Voidance:** Misuse may void the product warranty.
  - **Legal Consequences:** Non-compliance with regulations may result in fines or other legal action.
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## Limitation of Liability

- **Disclaimer:** We are not liable for any damages, injuries, or losses arising from the misuse of this product or failure to adhere to this Intended Use Guide and the Product Manual.
  - **Warranty Conditions:** Warranty coverage is contingent upon proper use as per the guidelines provided.
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## Customer Support

If you have any questions about appropriate applications or need assistance with installation and operation, please contact our support team:

- **Email:** [support@clancyoftheoverflow.com](mailto:support@clancyoftheoverflow.com)
  - **Website:** [clancyoftheoverflow.com](http://clancyoftheoverflow.com)
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## Feedback and Continuous Improvement

We value your feedback. If you have suggestions on how we can improve our products or documentation, please let us know.