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### DATOUBOSS 1500W 12V EU

## DATOUBOSS 1500W 12V DC to AC 230V Pure Sine Wave Power Inverter User Manual

Model: 1500W 12V EU

### 1. INTRODUCTION

Thank you for choosing the DATOUBOSS 1500W 12V DC to AC 230V Pure Sine Wave Power Inverter. This device is designed to convert 12V DC power from your battery into stable 220V-240V AC 50Hz power, suitable for a wide range of electronic devices. With 1500W continuous power and 3000W peak power, it provides reliable electricity for various applications, including RVs, boats, solar power systems, and emergency power outages. This manual provides essential information for safe installation, operation, and maintenance of your inverter.



## 2. SAFETY INSTRUCTIONS

Please read and understand all safety instructions before operating the inverter. Failure to follow these instructions may result in electric shock, fire, or serious injury.

- **Ventilation:** Ensure adequate ventilation around the inverter. Do not block any ventilation openings.
- **Environment:** Operate the inverter in a dry, cool, and well-ventilated area. Avoid direct sunlight, heat sources, and flammable materials.
- **Water Exposure:** Do not expose the inverter to water, rain, or spray.
- **Connections:** Ensure all connections are tight and secure to prevent loose connections that can cause overheating.
- **Grounding:** The inverter must be properly grounded.
- **Overload:** Do not exceed the inverter's rated power output. Overloading can damage the inverter and connected devices.
- **Children:** Keep the inverter out of reach of children.
- **Maintenance:** Refer all servicing to qualified personnel. Do not attempt to disassemble or repair the inverter yourself.

Image: Visual representation of the inverter's comprehensive safety features.

## 3. PACKAGE CONTENTS

Please check the package contents upon receipt to ensure all items are present and undamaged:

- 1 x DATOUBOSS 1500W 12V Pure Sine Wave Power Inverter
- 2 x Battery Connection Cables (1 red, 1 black)
- 1 x Wireless Remote Control
- 1 x User Manual



Image: Contents of the DATOUBOSS inverter package.

## 4. PRODUCT FEATURES

- **Pure Sine Wave Output:** Provides clean and stable power, ideal for sensitive electronics.
- **High Power Output:** 1500W continuous power, 3000W peak power.
- **Versatile Connectivity:** Includes 1x 220V-240V AC outlet (EU type), 1x DC 5V 2.1A USB port, and 1x Type-C port.

- **LCD Display:** Multi-function LCD screen displays battery indicator, input voltage, AC output voltage, output frequency, power indicator, overheating protection, and overload protection.
- **Wireless Remote Control:** Conveniently turn the inverter ON/OFF from a distance (effective range up to 10m).
- **Advanced Protection:** Features low voltage protection, overvoltage protection, thermal protection, overload protection, and short circuit protection.
- **Smart Cooling Fans:** Built-in fans activate automatically when the internal temperature exceeds 55°C to dissipate heat efficiently.
- **High Conversion Efficiency:** Greater than 95% conversion efficiency.

*Image: Detailed view of the inverter's ports and features.*

*Image: Detailed view of the LCD display and its indicators.*



*Image: Inverter's smart cooling fan system.*

## 5. INSTALLATION

Proper installation is crucial for the safe and efficient operation of your inverter.

1. **Mounting:** Choose a secure, dry, and well-ventilated location for mounting the inverter. Ensure there is sufficient space around the unit for airflow.
2. **Battery Connection:** Connect the red battery cable to the positive (+) terminal of your 12V DC battery and the positive (+) terminal of the inverter. Connect the black battery cable to the negative (-) terminal of your battery and the negative (-) terminal of the inverter. Ensure connections are tight.
3. **Grounding:** Connect the inverter's grounding terminal to a proper earth ground.
4. **Load Connection:** Plug your AC devices into the inverter's AC outlet. For USB and Type-C charging, connect your devices directly to the respective ports.

**Important:** Always connect the battery cables before connecting any AC loads. Ensure the inverter is OFF before making any connections.

## 6. OPERATION

Follow these steps to operate your DATOUBOSS inverter:

1. **Power On:** Press and hold the power button on the inverter for approximately 3 seconds until the LCD screen illuminates and the inverter powers on. Alternatively, use the wireless remote control.
2. **Remote Control Pairing (if needed):**

*Video: Instructions for pairing the wireless remote control with the inverter.*

- Remove the plastic separator from the remote control's battery compartment.
- Press and hold the inverter's power button for three seconds. A red indicator light on the inverter will flash.
- Immediately press the 'ON' button on the remote control to complete the pairing. If the red light continues to flash after pressing 'ON', pairing was unsuccessful.

3. **Monitoring:** The LCD display will show real-time information such as battery voltage, output voltage, and power consumption.
4. **Connecting Devices:** Plug your AC devices into the AC outlet. Connect USB and Type-C compatible devices to the respective charging ports.
5. **Power Off:** Press and hold the power button on the inverter or the 'OFF' button on the remote control to turn off the unit.

*Video: Demonstration of the inverter's operation, including pure sine wave output, powering lights, and charging mobile phones.*

*Video: Unboxing and demonstration of the inverter's pure sine wave output and ability to power various household appliances.*

## 7. MAINTENANCE

Regular maintenance ensures the longevity and optimal performance of your inverter.

- **Cleaning:** Keep the inverter clean and free from dust and debris. Use a dry cloth to wipe the exterior.
- **Connections:** Periodically check all electrical connections to ensure they are tight and free from corrosion.
- **Ventilation:** Ensure the cooling fans and vents are not obstructed. Clean them if necessary.
- **Storage:** If storing the inverter for an extended period, disconnect it from the battery and store it in a cool, dry place.

## 8. TROUBLESHOOTING

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

| Problem                    | Possible Cause   | Solution  |
|----------------------------|--|---|
| No power output            | Loose battery connections, low battery voltage, inverter OFF | Check battery connections, charge battery, turn inverter ON                   |
| Overload warning           | Connected device exceeds inverter's rated power              | Reduce load by disconnecting some devices                                     |
| Overheat warning           | Poor ventilation, high ambient temperature                   | Ensure proper ventilation, move to a cooler environment                       |
| Remote control not working | Not paired, battery dead, out of range                       | Pair remote (see Operation section), replace battery, move closer to inverter |

If the problem persists after attempting these solutions, please contact customer support.

## 9. SPECIFICATIONS

| Feature               | Specification                     |
|-----------------------|-----------------------------------|
| Brand                 | DATOUBOSS                         |
| Model Name            | 1500W 12V EU                      |
| Part Number           | PSW1500                           |
| Power (Continuous)    | 1500 W                            |
| Power (Peak)          | 3000 W                            |
| Input Voltage         | 12V DC                            |
| Output Voltage        | 220V-240V AC                      |
| Output Frequency      | 50 Hz                             |
| Output Waveform       | Pure Sine Wave                    |
| Conversion Efficiency | > 95%                             |
| USB Output            | 1x DC 5V 2.1A                     |
| Type-C Output         | 1x Type-C (20W Max)               |
| AC Outlets            | 1 (EU type)                       |
| Display Type          | LCD                               |
| Product Dimensions    | 48 x 25 x 15 cm; 3.4 kg (approx.) |
| Power Source          | Battery Powered                   |

## 10. WARRANTY AND SUPPORT

DATOUBOSS offers a **24-month warranty** for this product. In case of any issues or questions, please contact DATOUBOSS customer support. You may also be eligible for a **30-day unconditional return guarantee** through your purchase platform.

- **Customer Support:** Available 24/7.
- **Returns:** 30-day unconditional return guarantee.
- **Warranty:** 24 months.

