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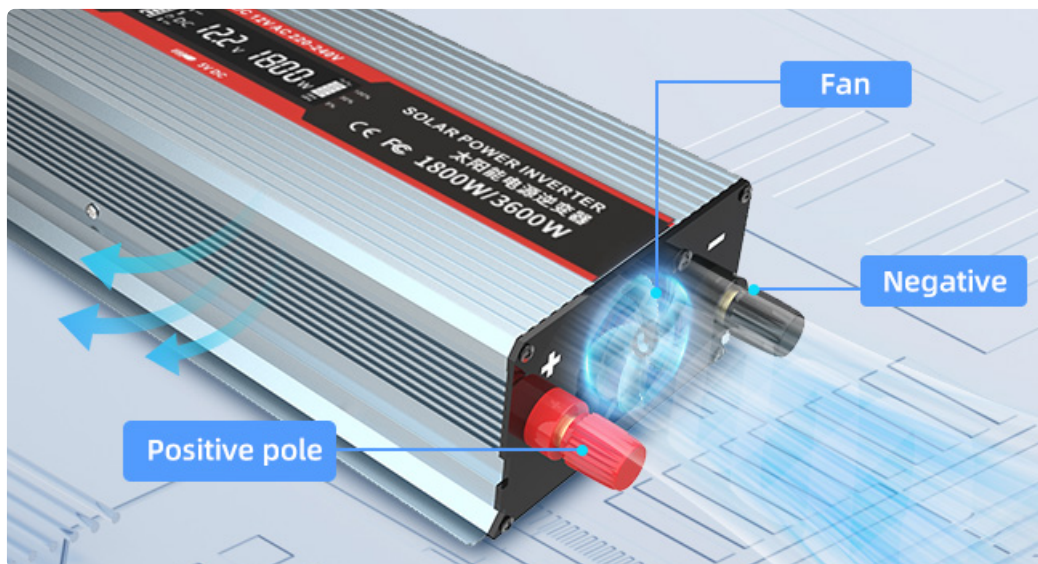
## DATOUBOSS DNG12V1800W-EU

# DATOUBOSS 1800W 12V to 230V Pure Sine Wave Inverter Instruction Manual

Model: DNG12V1800W-EU

## 1. INTRODUCTION

The DATOUBOSS 1800W 12V to 230V Pure Sine Wave Inverter is designed to convert 12V DC battery power into stable 230V AC household power. Its pure sine wave output ensures compatibility with a wide range of electronic devices, including sensitive electronics, making it ideal for use in cars, RVs, trucks, and as a backup power source for home appliances. This manual provides essential information for safe installation, operation, maintenance, and troubleshooting of your inverter.



The DATOUBOSS Pure Sine Wave Inverter provides reliable power for various applications, including outdoor activities and travel.

## 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 the inverter is installed in a well-ventilated area to prevent overheating. Do not block ventilation openings.
- **Dry Environment:** Keep the inverter away from water, moisture, and flammable materials.
- **Proper Connections:** Always connect the inverter to a 12V DC power source with correct polarity. Reverse polarity can damage the unit.
- **Grounding:** Properly ground the inverter to prevent electrical hazards.
- **Load Capacity:** Do not exceed the inverter's continuous power rating (1800W) to avoid overload.
- **Internal Protections:** The inverter is equipped with multiple safety protections including undervoltage, overvoltage, overheat, overload, short-circuit, and reverse polarity protection. If a protection is triggered, the inverter may shut down automatically.
- **Children and Pets:** Keep the inverter out of reach of children and pets.



The inverter features comprehensive protection mechanisms for safe operation, including short-circuit, surge, overload, overheating, and reverse charge prevention.

### 3. PACKAGE CONTENTS

Upon unpacking, please verify that all items listed below are included and in good condition:

- 1 x DATOUBOSS Pure Sine Wave Inverter (Model DNG12V1800W-EU)
- 1 x User Manual
- 2 x Battery Connection Cables

### 4. PRODUCT FEATURES

The DATOUBOSS 1800W Pure Sine Wave Inverter offers advanced features for reliable power conversion:

- **Pure Sine Wave Output:** Provides clean and stable AC power, identical to grid power, suitable for all types of loads, including sensitive electronics.
- **High Power Output:** Delivers a continuous power of 1800W and a peak power of 3600W, capable of handling various appliances.
- **High Conversion Efficiency:** With an efficiency greater than 92.8%, it minimizes power loss and reduces battery consumption.
- **Advanced Protection System:** Features soft start technology and isolated input/output design. Comprehensive safety protections include undervoltage, overvoltage, overheat, overload, short-circuit,

and reverse polarity.

- **Intelligent LCD Display:** Real-time monitoring of input/output voltage, power, frequency, and battery level for convenient control.
- **Efficient Cooling:** A robust aluminum casing and side wind tunnel design with an integrated fan ensure rapid and effective heat dissipation.
- **Versatile Connectivity:** Equipped with standard EU sockets and USB ports for charging multiple devices.

## EINFÜHRUNG IN DIE PRODUKTFUNKTION

Die Produkte sind streng geprüft und von hoher Qualität



Key components of the inverter: Front panel with switch, LCD, USB, and EU socket; Rear panel with battery terminals and cooling fan.

## 5. SETUP

Follow these steps for proper installation of your DATOUBOSS inverter:

1. **Choose a Location:** Select a dry, cool, and well-ventilated area for installation. Avoid direct sunlight, heat sources, and areas with excessive dust or moisture.
2. **Battery Compatibility:** This inverter is suitable for 12V lead-acid and lithium iron phosphate batteries.

Ensure your battery system matches the inverter's input voltage.

### 3. Connect Battery Cables:

- Connect the **red** battery cable to the **positive (+)** terminal of the inverter and the **positive (+)** terminal of your 12V battery.
- Connect the **black** battery cable to the **negative (-)** terminal of the inverter and the **negative (-)** terminal of your 12V battery.
- Ensure all connections are tight and secure to prevent sparking and overheating.

4. **Grounding:** Connect the inverter's grounding terminal to a reliable earth ground or vehicle chassis.

5. **Initial Power-Up:** Once all connections are secure, switch on the inverter using the power button. The LCD display should illuminate, showing current status.

## WEITGEHEND KOMPATIBEL



The inverter is compatible with various 12V battery types, including lead-acid (AGM, GEL, FLD) and lithium-ion (Li-ion) batteries.

## 6. OPERATING INSTRUCTIONS

Operating the DATOUBOSS inverter is straightforward:

1. **Turn On:** After proper setup, press the power switch on the inverter to turn it on. The LCD display will show the current input voltage, output voltage, power, frequency, and battery level.
2. **Connect Appliances:** Plug your 230V AC appliances into the EU sockets or connect USB devices to the USB ports. Ensure the total power consumption of your appliances does not exceed 1800W.
3. **Monitor Display:** Regularly check the LCD display for real-time operational data. This helps in managing your power consumption and battery status.
4. **Inductive Loads:** For appliances with motors or compressors (e.g., refrigerators, power tools), be aware of their starting (peak) power requirements, which can be several times their continuous rating. The inverter's 3600W peak power can handle most such loads momentarily.
5. **Turn Off:** When you are finished using the inverter, first disconnect all appliances, then press the power switch to turn off the inverter.

## WEITGEHEND KOMPATIBEL



The inverter is widely compatible, powering a range of devices from laptops and coffee makers to drones and blenders.

## 7. MAINTENANCE

Regular maintenance ensures optimal performance and longevity of your inverter:

- **Keep Clean:** Periodically clean the inverter's exterior with a dry cloth. Ensure ventilation openings are

free from dust and debris.

- **Check Connections:** Regularly inspect battery cables and terminals for tightness and corrosion. Loose connections can lead to power loss or overheating.
- **Battery Health:** Maintain your 12V battery according to its manufacturer's guidelines. A healthy battery is crucial for inverter performance.
- **Storage:** If storing the inverter for an extended period, ensure it is clean, dry, and disconnected from the battery.

## 8. TROUBLESHOOTING

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

Problem	Possible Cause	Solution
No power output / Inverter not turning on	Loose battery connections, low battery voltage, inverter switch off, internal fuse blown.	Check battery cable connections. Recharge or replace battery. Ensure inverter switch is ON. Contact support if fuse is suspected.
Overload alarm / Inverter shuts down	Connected appliance exceeds 1800W continuous power.	Reduce the total load by disconnecting some appliances. Restart the inverter.
Overheat alarm / Inverter shuts down	Poor ventilation, high ambient temperature, excessive load.	Ensure adequate ventilation around the inverter. Reduce load. Allow inverter to cool down before restarting.
Low voltage alarm / Inverter shuts down	Battery voltage is too low.	Recharge the 12V battery.
Output voltage unstable	Loose connections, faulty appliance.	Check all connections. Test with a different appliance.

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

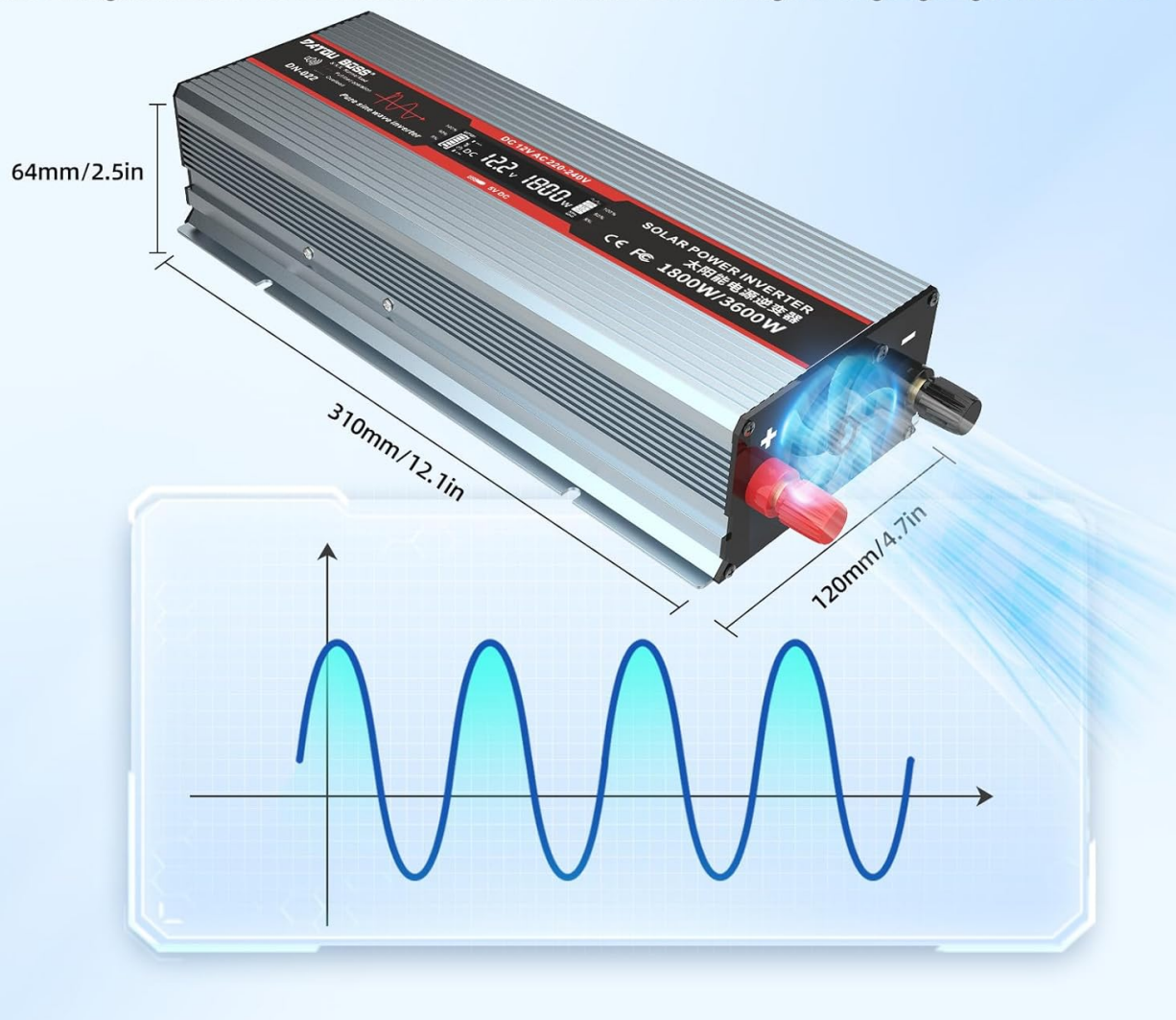
## 9. SPECIFICATIONS

Feature	Specification
Brand	DATOUBOSS
Model Name	DNG12V1800W-EU
Input Voltage	12 Volts DC

<b>Feature</b>	<b>Specification</b>
Output Voltage	230 Volts AC
Continuous Power	1800 Watts
Peak Power	3600 Watts
Output Waveform	Pure Sine Wave
Conversion Efficiency	>92.8%
Idle Current	Approximately 1.2A
Protections	Undervoltage, Overvoltage, Overheat, Overload, Short-circuit, Reverse Polarity
Product Dimensions (L x W x H)	35 x 18 x 10 cm (13.8 x 7.1 x 3.9 inches)
Color	Grey
Recommended Uses	Office, Home, Vehicle
Power Source	Battery Powered

# Effiziente und stabile Leistung

Die reine Sinuswellentechnologie des Wechselrichters reduziert das Betriebsgeräusch von elektrischen und verlängert die Lebensdauer der Geräte, wodurch eine stabile und zuverlässige Leistungsabgabe gewährleistet wird



Physical dimensions of the inverter and illustration of its pure sine wave output.

## 10. WARRANTY AND SUPPORT


DATOUBOSS is committed to providing high-quality products and excellent customer service.

- **Manufacturer Warranty:** This product comes with a 12-month manufacturer warranty from the date of purchase. Please retain your proof of purchase for warranty claims.
- **Customer Support:** DATOUBOSS offers 24-hour professional customer service. If you have any questions, concerns, or require technical assistance, please contact our support team.
- **Certifications:** The inverter is CE, FCC, and RoHS certified, ensuring compliance with international safety and environmental standards.
- **Product Liability:** The product is covered by AIG product liability insurance, providing additional peace of mind.



**After-sales Service**  
Welcome to consult with us if you have any problems before or after the sale.



  
**24 HOURS**  
7X24 customer support

  
**30 DAYS**  
30 days unconditional return

  
**24 MONTHS**  
24 months



**100+** Countries  
**1000+** Tests  
**100000+** Users

DATOUBOSS provides comprehensive after-sales support, including 24/7 customer service, a 30-day return policy, and a 24-month warranty.