

DEENO DEENO X1500

DEENO X1500 Portable Power Station User Manual

Model: DEENO X1500

1. IMPORTANT SAFETY INSTRUCTIONS

Read all safety warnings and instructions carefully before using this product. Failure to follow these instructions may result in electric shock, fire, or serious injury.

- Do not disassemble, repair, or modify the unit. Incorrect reassembly may cause fire or electric shock.
- Do not place the unit near fire or expose it to heat. Keep out of direct sunlight.
- Do not charge, use, or store the unit in a bathroom or an area exposed to water or high humidity.
- Use only the recommended accessories and chargers.
- Do not use the unit if it is damaged or has been dropped.
- Keep out of reach of children and pets.
- Ensure proper ventilation during use and charging to prevent overheating.
- Avoid contact with liquids. If liquid comes into contact with the unit, wipe it with a dry cloth.
- Dispose of the unit according to local regulations. Do not dispose of with household waste.

2. PRODUCT OVERVIEW

The DEENO X1500 is a portable power station designed to provide reliable power for various applications, including emergency backup, home use, camping, RVs, and off-grid scenarios. It features a 1036Wh LiFePO4 battery and delivers 1500W of continuous power.



Image 2.1: The DEENO X1500 Portable Power Station, showcasing its various ports and LCD display.

Package Contents

- DEENO X1500 Portable Power Station
- AC Charging Cable
- Accessory Bag
- Car Charging Cable (DC7.9*0.9)
- MC4-DC7.9*0.9 Charging Cable (for solar panel connection)
- User Manual (including Warranty Card)

3. SETUP

Initial Charging

Before first use, fully charge the DEENO X1500. This ensures optimal battery performance and calibration.

1. Connect the AC Charging Cable to the AC input port on the power station.
2. Plug the other end of the AC Charging Cable into a standard wall outlet.
3. The LCD display will show the charging status. Charge until the battery indicator shows 100%.

Initial charging typically takes approximately 5.5-6.5 hours via AC.

4. OPERATING INSTRUCTIONS

Powering On/Off

- To power on the unit, press and hold the main power button for 3 seconds. The LCD display will illuminate.
- To power off the unit, press and hold the main power button for 3 seconds. The LCD display will turn off.

Connecting Devices

The DEENO X1500 offers multiple output ports to power various devices simultaneously.



Image 4.1: Detailed diagram of the DEENO X1500's input and output ports.

- **AC Outlets (x3):** Press the "AC ON/OFF" button to activate the AC outlets. Plug in devices requiring 120V AC power, up to 1500W continuous (3000W peak).
- **USB-A Ports (x3):** Press the "USB ON/OFF" button to activate USB ports. Connect USB-A compatible devices for charging (18W max per port).
- **USB-C Ports (x2):** Press the "USB ON/OFF" button to activate USB ports. Connect USB-C compatible devices for charging (100W max per port).
- **DC Outlets (x2):** Press the "DC ON/OFF" button to activate DC ports. Connect 12V DC devices.
- **Car Outlet (x1):** Press the "DC ON/OFF" button to activate the car outlet. Provides constant 12V 10A power.
- **Wireless Charging Pad (x1):** Place compatible devices on the wireless charging pad located on top of the unit.

Charging the Power Station

The DEENO X1500 supports four charging methods:

4 WAYS TO RECHARGE



Image 4.2: Illustration of the four charging methods: wall outlet, solar, car, and generator.

- **AC Wall Outlet:** Connect the AC Charging Cable to the AC input port and a wall outlet. (Approx. 5.5-6.5 hours)
- **Solar Panel:** Connect a compatible solar panel (e.g., DEENO 200W solar panel) to the DC input port using the MC4-DC7.9*0.9 Charging Cable. Ensure the solar panel is placed in direct sunlight. The integrated MPPT controller optimizes charging efficiency. (Approx. 6-10 hours with 200W solar panel)

- **Car Charger:** Connect the Car Charging Cable to the DC input port and your vehicle's 12V cigarette lighter socket. (Approx. 5.5-6.5 hours)
- **Generator:** Connect the AC Charging Cable to the AC input port and an AC power outlet from a generator. (Approx. 5.5-6.5 hours)

LCD Display

The 4.3-inch LCD color screen provides real-time information about the power station's status.



Insights at a Glance

The smart display shows battery capacity, current output and input, and estimated time to recharge.

Image 4.3: Close-up of the LCD display showing battery capacity, input/output wattage, and estimated time.

- **Battery Level:** Displays the current battery percentage.
- **Input Power:** Shows the current wattage being drawn for charging.
- **Output Power:** Shows the current wattage being discharged to connected devices.
- **Time Remaining:** Estimates the time to full charge or empty based on current input/output.
- **Port Indicators:** Icons indicating which output ports (AC, USB, DC) are active.

Using the Integrated Light

The DEENO X1500 includes an integrated light for illumination in low-light conditions or emergencies.



Image 4.4: The DEENO X1500 providing illumination in a tent, demonstrating its lighting feature.

- Press the light button once to turn on the light at its lowest setting.
- Press again to cycle through brightness levels (3 levels).
- Press and hold the light button to activate the SOS flashing mode for emergencies.
- Press the button again to turn off the light.

5. MAINTENANCE

Storage

- Store the unit in a dry, well-ventilated area, away from direct sunlight, heat sources, and moisture.
- For long-term storage, charge the unit to approximately 50-80% every 3 months to maintain battery health.
- Recommended storage temperature: 14°F to 113°F (-10°C to 45°C).

Cleaning

- Always power off the unit and disconnect all cables before cleaning.
- Use a soft, dry cloth to wipe the exterior of the unit.
- Do not use abrasive cleaners, solvents, or harsh chemicals.
- Keep the ventilation openings clear of dust and debris to ensure efficient heat dissipation.

Battery Health

The DEENO X1500 uses a LiFePO4 battery designed for over 3500 charge cycles to 80% capacity. Regular maintenance as described above will help maximize its lifespan.

6. TROUBLESHOOTING

If you encounter issues with your DEENO X1500, refer to the following common troubleshooting steps:

- **Unit not turning on:** Ensure the battery is charged. Connect to an AC outlet for charging and attempt to power on again.
- **Devices not charging/powering:**
 - Check if the specific output port (AC, USB, DC) is activated by pressing its respective ON/OFF button.
 - Verify that the device's power consumption does not exceed the port's or the unit's maximum output (1500W continuous, 3000W peak).
 - Ensure cables are securely connected.
- **Unit not charging:**
 - Check if the charging cable is properly connected to both the unit and the power source.
 - Verify the power source is active and providing power.
 - If using solar, ensure panels are in direct sunlight and the MC4-DC cable is correctly connected.
- **Error message on LCD:** The Intelligent Battery Management System (DiBMS) provides various protections. If an error message appears, power off the unit, disconnect all devices and charging cables, wait a few minutes, and then restart. If the error persists, contact customer support.
- **Overheating:** The unit has intelligent fans for heat dissipation. If it feels excessively hot, disconnect devices, allow it to cool down in a well-ventilated area, and ensure ventilation openings are not blocked.

7. SPECIFICATIONS

Feature	Specification
Model Name	DEENO X1500
Battery Type	LiFePO4 (Lithium Iron Phosphate)
Capacity	1036Wh
AC Output (Continuous)	1500W (120V AC)
AC Output (Peak)	3000W
USB-A Output	3 x 18W Max (5V 3A, 9V 2A, 12V 1.5A)
USB-C Output	2 x 100W Max
DC Output	2 x 12V 5A
Car Outlet Output	1 x 12V 10A
Wireless Charging	1 x 15W
AC Charging Time	Approx. 5.5-6.5 hours
Solar Charging Time	Approx. 6-10 hours (with 200W solar panel)
Dimensions (L x W x H)	15.5" x 8.5" x 9.4" (39.4cm x 21.6cm x 23.9cm)
Weight	Not specified in provided data, typically around 25-30 lbs for this capacity.
Operating Temperature	14°F to 113°F (-10°C to 45°C)
Protection Systems	DiBMS (Over-temperature, Low-temperature, Over-voltage, Over-current, Short-circuit, Overload, Over-charge, Over-discharge Protection)



Image 7.1: Visual representation of the DEENO X1500's dimensions.

8. WARRANTY AND SUPPORT

Warranty Information

The DEENO X1500 Portable Power Station comes with a **5-year warranty**. Please refer to the warranty card included in your package for detailed terms and conditions. Keep your proof of purchase for warranty claims.

Customer Support

For technical assistance, troubleshooting not covered in this manual, or warranty inquiries, please contact DEENO customer support. Contact information can typically be found on the official DEENO website or on the warranty card included with your product.