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› Portable Power Station 2000W, 2073.6Wh LifePO4 Battery Backup Station, 1.8 Hrs Fast Charging Solar Generator, Emergency Power Supply for Camping, Power Outage, Off-grid(Solar Optional)

DaranEner NEO2000

DaranEner NEO2000 Portable Power Station User Manual

Model: NEO2000 | Brand: DaranEner

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1. INTRODUCTION AND OVERVIEW

The DaranEner NEO2000 Portable Power Station is a versatile and robust power solution designed to provide reliable electricity for various needs, from home power outages to outdoor adventures. With a 2000W output and 2073.6Wh LiFePO4 battery capacity, it ensures your essential devices remain powered.



Figure 1: DaranEner NEO2000 Portable Power Station, showcasing its compact design and multiple output ports.

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Video 1: Overview of the DaranEner NEO2000 Portable Power Station, highlighting its features and applications.

2. KEY FEATURES

- **Super-Fast Charging:** Recharge fully in just 1.8 hours using a single AC cable, or even faster with combined solar and AC charging.
- **Long-Lasting LiFePO4 Batteries:** Equipped with durable LiFePO4 batteries, boasting over 3500 charge-discharge cycles for extended lifespan. Advanced Battery Management System (BMS) ensures comprehensive protection.
- **Versatile Power Output:** Features 3 AC outlets, 4 DC outlets, 4 USB ports (including QC3.0), 2 Type-C ports (PD100W), 1 Wireless Charge, an XT60 input port, a car socket, and an LED light, capable of powering 99% of your devices.
- **Seamless UPS Functionality:** Automatically switches to UPS mode within 15-20 milliseconds during a power

outage, ensuring uninterrupted power for devices under 2000W.

- **High-Efficiency Solar Charging:** Built-in MPPT controller maximizes solar input efficiency, supporting 300W solar panels for effective outdoor charging.

LIFEPO4 BATTERY

Last Longer 7X

3500+ Cycles



*Advanced BMS, after 3500 cycles, the capacity is still maintained at about 80% of the original capacity.

Figure 2: Illustration of the long-lasting LiFePO4 battery technology, designed for over 3500 charge cycles.

RELIABLE UPS

Double Protection For Your Essentials



Figure 3: Demonstrating the Uninterruptible Power Supply (UPS) feature, ensuring continuous power during outages.

3. SETUP

Before first use, fully charge your DaranEner NEO2000 Power Station. It can be charged via AC wall outlet or solar panels.

3.1 Initial Charging (AC)

1. Locate the AC input port on the power station.

2. Connect the provided AC charging cable to the power station's AC input port.
3. Plug the other end of the AC charging cable into a standard wall outlet (110V).
4. The display will indicate charging status. A full charge takes approximately 1.8 hours.

3.2 Solar Charging

For solar charging, connect compatible solar panels (e.g., DaranEner SP300) to the XT60 input port. The built-in MPPT controller optimizes charging efficiency.

0-80% RECHARGE IN 1 HOUR

Get Ready effortless



Figure 4: Visual representation of the fast charging capabilities, including AC and solar charging methods.

4. OPERATING INSTRUCTIONS

4.1 Turning On/Off

- To power on the unit, press and hold the main power button until the display illuminates.
- To activate AC outputs, press the dedicated AC power button. The AC icon on the display will light up.
- To activate DC outputs (including USB and car socket), press the dedicated DC power button. The DC and USB icons will light up.
- To turn off any output, press its respective power button again. To power off the entire unit, press and hold the main power button.

4.2 Display Indicators

The LCD display provides real-time information:

- **Battery Percentage:** Shows remaining battery life.
- **Input/Output Wattage:** Displays current power input (charging) and output (discharging) in watts.
- **Remaining Runtime/Recharge Time:** Estimates how long the unit can power connected devices or how long until fully charged.
- **Status Icons:** Indicate active outputs (AC, DC, USB), fan status, and warning indicators.

4.3 Connecting Devices

Plug your devices into the appropriate ports. Ensure the total wattage of connected devices does not exceed the power station's maximum output (2000W continuous, 3000W peak).

15-IN-1 POWER STATION

Great Option for Camping



3 * AC



2 * Type-C



4 * USB-A



1 * Car socket



4 * DC5521



5 * Wireless Charge



Figure 5: Detailed view of the 15-in-1 power station, showcasing all available input and output ports.

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Video 2: In-depth demonstration of the DaranEner NEO2000's various ports and how to use them to power different appliances.

5. MAINTENANCE

- **Regular Charging:** To maintain battery health, it is recommended to fully charge the power station at least once every three months, even if not in use.

- **Storage:** Store the unit in a cool, dry place away from direct sunlight and extreme temperatures.
- **Ventilation:** Ensure the ventilation vents are clear and unobstructed during operation to prevent overheating. The internal fan will activate as needed.
- **Cleaning:** Use a dry, soft cloth to clean the exterior of the power station. Do not use liquid cleaners or immerse the unit in water.

6. TROUBLESHOOTING

Problem	Possible Cause	Solution
Unit not turning on.	Battery is completely depleted.	Connect to AC power and charge for at least 30 minutes.
AC/DC output not working.	Output not activated or overloaded.	Press the respective AC/DC power button. Reduce connected load if overloaded. Check circuit breaker.
Solar charging not working.	Incorrect panel connection or insufficient sunlight.	Ensure solar panels are correctly connected to the XT60 port and placed in direct sunlight. Check cable integrity.
Unit shuts down unexpectedly.	Overload, overheating, or low battery.	Reduce connected load. Allow unit to cool down. Recharge the battery.

7. SPECIFICATIONS

Feature	Detail
Model Name	NEO2000
Brand	DaranEner
Capacity	2073.6Wh
Output Wattage	2000W (Continuous), 3000W (Peak)
Battery Type	LiFePO4 (Lithium Iron Phosphate)
Charge Cycles	3500+ cycles to 80% capacity
Charging Time (AC)	1.8 hours
AC Outlets	3
DC Outlets	4
USB Ports	4 (QC3.0)
Type-C Ports	2 (PD100W)
Wireless Charge	1
Item Weight	56.7 Pounds
Product Dimensions	18.74"L x 13.58"W x 10.24"H

8. WARRANTY AND SUPPORT

The DaranEner NEO2000 Portable Power Station comes with a **5-year warranty**, ensuring peace of mind and long-term reliability.

For any questions, technical assistance, or warranty claims, please contact DaranEner customer support. They aim to respond within 24 hours to provide a worry-free experience.

You can find contact information and further support details on the official DaranEner website or through your purchase platform.