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## DaranEner NEOK

# DaranEner Portable Power Station NEOK 300W+192Wh User Manual

Model: NEOK

## 1. INTRODUCTION

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Thank you for choosing the DaranEner Portable Power Station NEOK 300W+192Wh. This device is designed to provide reliable power for various applications, including outdoor activities, travel, and emergency backup. Featuring a 192Wh LiFePO4 battery and a 300W AC inverter, it offers multiple output options to charge and power your electronic devices. Please read this manual thoroughly before use to ensure safe and optimal operation.

## 2. SAFETY INSTRUCTIONS

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- Do not disassemble, repair, or modify the unit. Incorrect assembly may cause fire, explosion, or injury.
- Do not place the unit near fire or expose it to direct heat.
- Do not store or use the unit in high temperatures or direct sunlight.
- Do not use or store the unit in a bathroom or in areas exposed to water or moisture.
- Use only the provided or approved accessories.
- Keep the unit away from children and pets.
- Do not drop, hit, or subject the unit to strong impacts.
- If the unit emits an unusual odor, generates heat, or shows any other abnormality, stop using it immediately and contact customer support.
- Ensure proper ventilation during use and charging. Do not cover the unit.
- The total power of connected devices should not exceed 300W.

## 3. PACKAGE CONTENTS

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Verify that all items are included in your package:

- DaranEner Portable Power Station NEOK
- AC Wall Charger
- Car Charging Cable
- User Manual

## 4. PRODUCT OVERVIEW

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Familiarize yourself with the various components and ports of your power station.



Figure 4.1: Front view of the DaranEner Portable Power Station NEOK, showing the display, DC power button, USB-A ports, USB-C port, DC input, AC power button, and AC outlets.

# 6-in-1 Power Station

Great Option for Camping



AC x2  
(300W)



DC5521 x1  
(120W)



Type-C x1  
(45W)



USB-A x2  
(18W)



Figure 4.2: Detailed view of the power station's ports, including USB-A (18W), USB-C (45W), DC Output (120W), DC Input, and AC Output (300W).

## 4.1. Ports and Buttons

- **DC Power Button:** Activates/deactivates DC outputs.
- **USB-A Outputs (x2):** Up to 18W each for charging smartphones, tablets, etc.
- **USB-C Output (x1):** Up to 45W for charging compatible laptops, phones, and other devices.
- **DC5521 Output (x1):** Up to 120W for powering DC appliances.
- **DC Input:** For charging the power station via solar panel or car charger.

- **AC Power Button:** Activates/deactivates AC outlets.
- **AC Outlets (x2):** 110V, 300W (600W surge) for powering AC appliances.

## 4.2. LED Display Indicators



Figure 4.3: Overview of the LED display and its indicators.

- **Power Percentage:** Shows remaining battery charge.
- **AC Indicator:** Illuminates when AC output is active.
- **USB Indicator:** Illuminates when USB output is active.
- **DC Indicator:** Illuminates when DC output is active.
- **LED Indicator:** Illuminates when the built-in LED light is active.
- **Output AC Voltage and Frequency:** Displays current AC output parameters.
- **Snowflake Indicator:** Indicates low-temperature operation.
- **Thermometer Indicator:** Indicates high-temperature warning.
- **Alarm Indicator:** Flashes to indicate an error or warning.

## 5. SETUP

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### 5.1. Initial Charge

Before first use, fully charge your DaranEner Portable Power Station. This ensures the battery is calibrated and ready for optimal performance.

1. Connect the provided AC wall charger to the DC Input port on the power station.
2. Plug the AC wall charger into a standard wall outlet.
3. The LED display will show the charging progress. The unit is fully charged when the power percentage reaches 100%.

## 6. OPERATING INSTRUCTIONS

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### 6.1. Charging the Power Station

The power station can be recharged using three methods:

# Power up Anywhere

Speedy recharge always!



Figure 6.1: Visual representation of AC, car, and solar charging options.

- **AC Wall Outlet (Max 55W):** Connect the AC wall charger to the DC Input port and a wall outlet. Full charge in approximately 3.7 hours.
- **DC Car Charger (Max 60W):** Connect the car charging cable to the DC Input port and your vehicle's 12V cigarette lighter socket. Full charge in approximately 3.4 hours.
- **Solar Panel (Max 60W, 11-60V/10A):** Connect a compatible solar panel (not included) to the DC Input port. Charging time varies based on solar intensity and panel wattage. Full charge in approximately 3.4 hours under optimal conditions.

## 6.2. Using the Power Station (Output)

To use the output ports, press the corresponding power button (DC Power or AC Power) to activate the desired output section. The respective indicator on the LED display will illuminate.

- **AC Output:** Press the AC Power button. Plug your AC devices into the AC outlets. Ensure the total wattage does not exceed 300W.
- **USB Output:** Press the DC Power button. Plug your USB devices into the USB-A or USB-C ports.
- **DC Output:** Press the DC Power button. Plug your DC devices into the DC5521 port.

To turn off an output section, press its corresponding power button again. The indicator on the LED display will turn off.

## 7. MAINTENANCE

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### 7.1. Storage

- Store the power station in a cool, dry place, away from direct sunlight and heat sources.
- For long-term storage, charge the unit to 50-80% every 3-6 months to prolong battery life.
- Avoid storing the unit in extreme temperatures (below 0°C or above 40°C).

### 7.2. Cleaning

- Wipe the exterior with a soft, dry cloth.
- Do not use abrasive cleaners or solvents.
- Keep the ventilation openings clear of dust and debris.

## 8. TROUBLESHOOTING

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Problem	Possible Cause	Solution
Unit does not turn on	Battery is completely discharged.	Connect to an AC wall outlet and charge for at least 30 minutes.
AC output not working	AC output not activated. Overload protection triggered.	Press the AC Power button. Reduce the total wattage of connected devices.
USB/DC output not working	DC output not activated.	Press the DC Power button.
Slow charging	Using a low-power charger. Environmental factors (solar).	Use the original AC wall charger. For solar, ensure direct sunlight and clear panels.
Alarm indicator flashing	Overload, over-temperature, or other system error.	Disconnect devices, turn off the unit, wait a few minutes, then restart. If the issue persists, contact support.

## 9. SPECIFICATIONS

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Feature	Specification
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Feature	Specification
Brand	DaranEner
Model Name	NEOK
Battery Type	LiFePO4
Capacity	192Wh (60000mAh, 3.2V)
AC Output	2 x 110V, 300W (600W Surge)
USB-A Output	2 x 18W Max
USB-C Output	1 x 45W Max
DC5521 Output	1 x 120W Max
AC Input (Charging)	55W Max
DC Car Input (Charging)	60W Max
Solar Input (Charging)	60W Max (11-60V/10A)
Item Weight	5.5 Pounds (2.5 kg)
Product Dimensions	8.66"L x 7.08"W x 5.1"H (22cm x 18cm x 13cm)
Operating Temperature	0°C to 40°C (32°F to 104°F)
Charging Temperature	0°C to 40°C (32°F to 104°F)

## 10. WARRANTY AND SUPPORT

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### 10.1. Warranty Information

The DaranEner Portable Power Station NEOK comes with a **2-year manufacturer's warranty** from the date of purchase. This warranty covers defects in materials and workmanship under normal use. It does not cover damage caused by misuse, accidents, unauthorized modifications, or natural disasters.

### 10.2. Customer Support

If you encounter any issues or have questions regarding your DaranEner Portable Power Station, please contact our customer support team. For the fastest service, please have your purchase receipt and product model number ready.

You can typically find support contact information on the official DaranEner website or through your retailer.