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### DaranEner NEOZ Portable Power Station

# DaranEner NEOZ Portable Power Station User Manual

Model: NEOZ Portable Power Station (300W-179.2Wh)

## 1. Introduction

The DaranEner NEOZ Portable Power Station is a compact and powerful energy solution designed for various applications, including outdoor adventures, emergency backup, and home use. Featuring a durable LiFePO4 battery, multiple output ports, and fast charging capabilities, it provides reliable power wherever you need it.

## 2. Safety Information

Please read all safety instructions carefully before using the power station. Failure to follow these instructions may result in electric shock, fire, or serious injury.

- Do not disassemble, repair, or modify the unit.
- Keep away from heat sources, direct sunlight, and flammable materials.
- Do not expose to water or extreme humidity.
- Ensure proper ventilation during use and charging.
- Keep out of reach of children and pets.
- Use only original or certified charging cables and accessories.
- Avoid dropping or subjecting the unit to strong impacts.

## 3. Package Contents

Verify that all items are included in your package:

- 1 × DaranEner NEOZ Portable Power Station
- 1 × AC Charging Cable
- 1 × User Manual

## 4. Product Overview

The DaranEner NEOZ Portable Power Station features a user-friendly design with clearly labeled ports and an informative display.

## 4.1. Front Panel and Ports




*Figure 4.1: Front view of the DaranEner NEOZ Portable Power Station, highlighting the input/output ports and the digital display.*

- **Digital Display:** Shows battery percentage, input/output wattage, remaining runtime, and various indicators.
- **DC Input/MPPT:** For charging via AC adapter, car charger, or solar panel.
- **PD 60W USB-C Output:** For fast charging compatible devices.
- **QC3.0 18W USB-A Outputs (x2):** For charging standard USB devices.
- **DC 5521 Output:** For DC-powered devices.
- **DC ON/OFF Button:** Activates/deactivates DC outputs.
- **AC ON/OFF Button:** Activates/deactivates AC outlets.
- **AC Outlets (x2):** Standard 110V AC outlets for electronic devices.

## 4.2. Rear Panel and Features

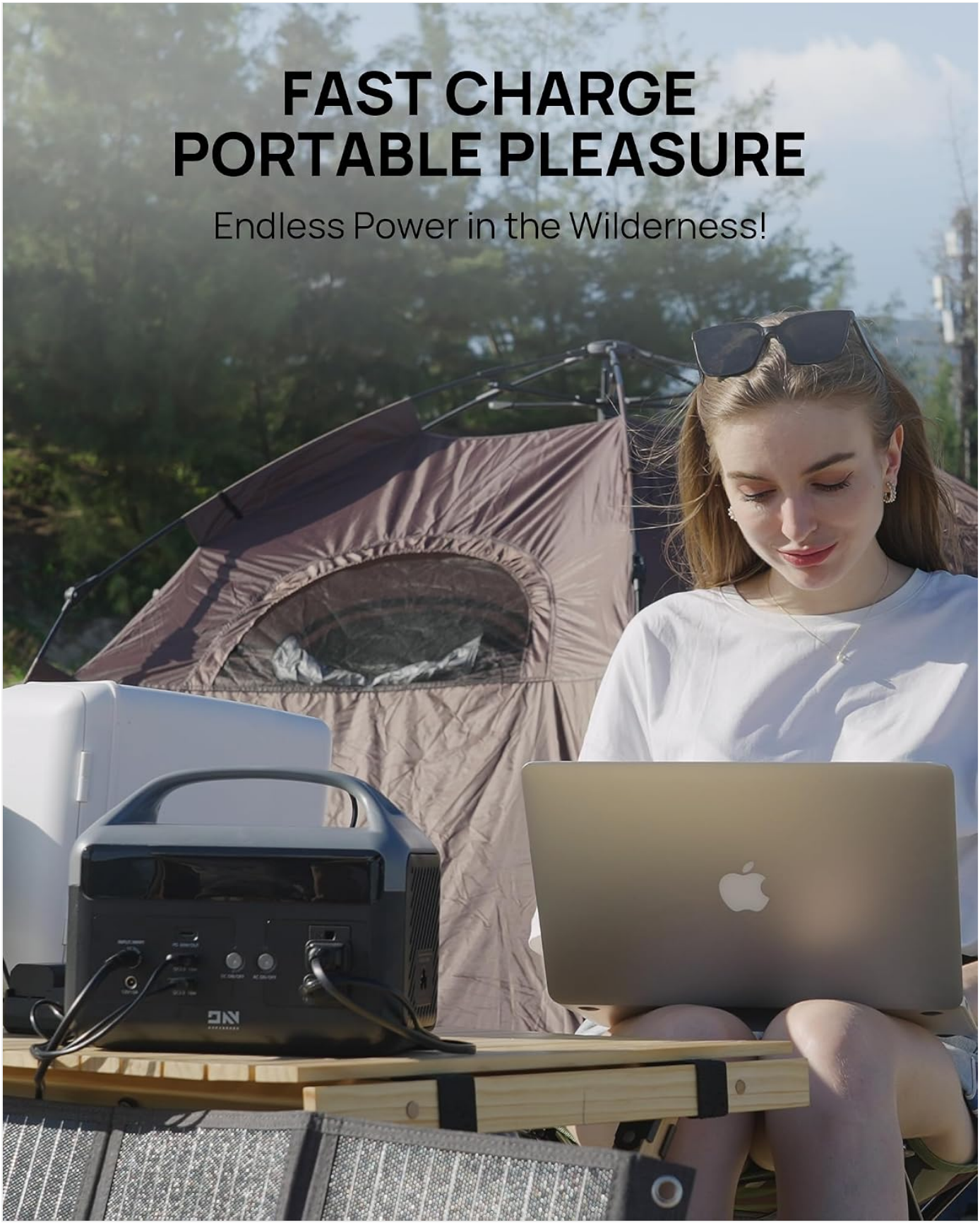



*Figure 4.2: Rear view of the DaranEner NEOZ Portable Power Station, showing the integrated LED light.*

- **Integrated LED Light:** Provides illumination with multiple modes (steady, SOS).
- **AC Input Port:** For connecting the AC charging cable.

## 5. Setup and Initial Use

### 5.1. Unpacking and Inspection

Carefully remove the power station and all accessories from the packaging. Inspect the unit for any signs of damage. If any damage is found, do not use the product and contact customer service immediately.

### 5.2. Initial Charge

It is recommended to fully charge the power station before first use. This ensures optimal battery performance and longevity.

- Connect the provided AC charging cable to the AC Input port on the power station and then to a wall outlet.
- The digital display will show the charging status. The unit will be fully charged in approximately 1.5 hours.

## 6. Charging the Power Station

The DaranEner NEOZ offers multiple convenient charging options:

### 6.1. AC Wall Outlet Charging

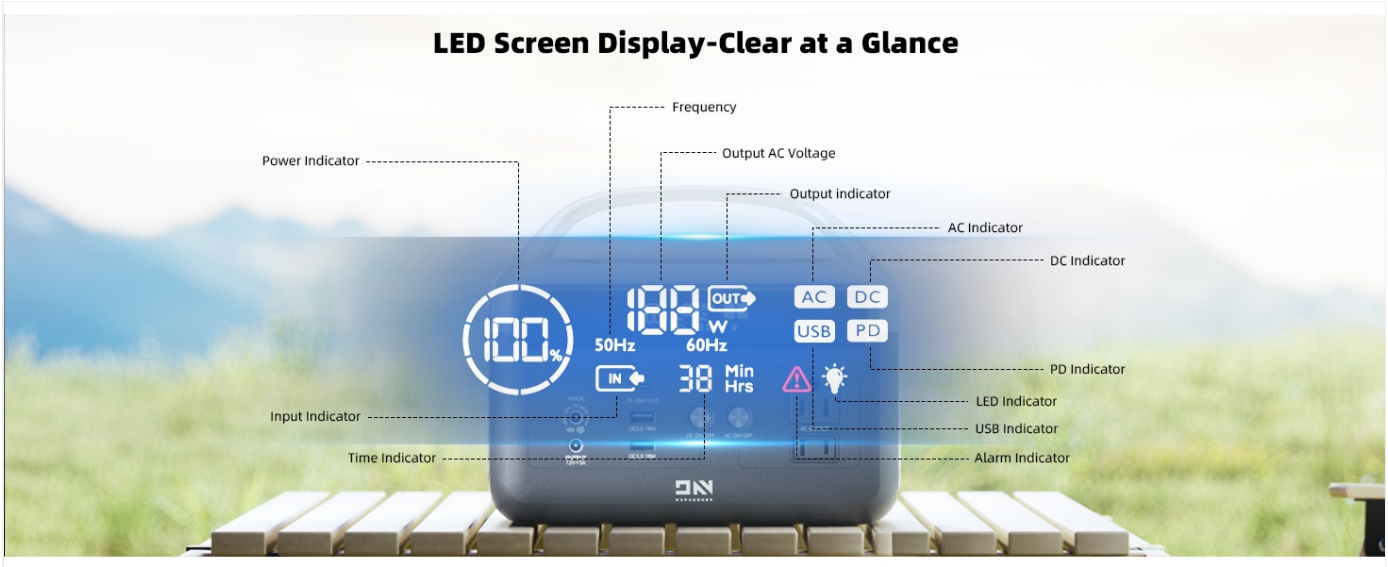



*Figure 6.1: Power station charging via AC wall outlet.*

Connect the supplied AC charging cable to the AC Input port on the power station and plug the other end into a standard 110V wall outlet. The unit supports 110W AC Super Fast Charge, reaching 100% in approximately 1.5 hours.

### 6.2. Solar Panel Charging




*Figure 6.2: Power station charging via solar panel.*

Connect a compatible solar panel (MPPT 90W Max, 11-30V 4A Max) to the DC Input/MPPT port. Charging time is approximately 2 hours, depending on sunlight intensity and solar panel wattage.

### 6.3. Car Charger Charging

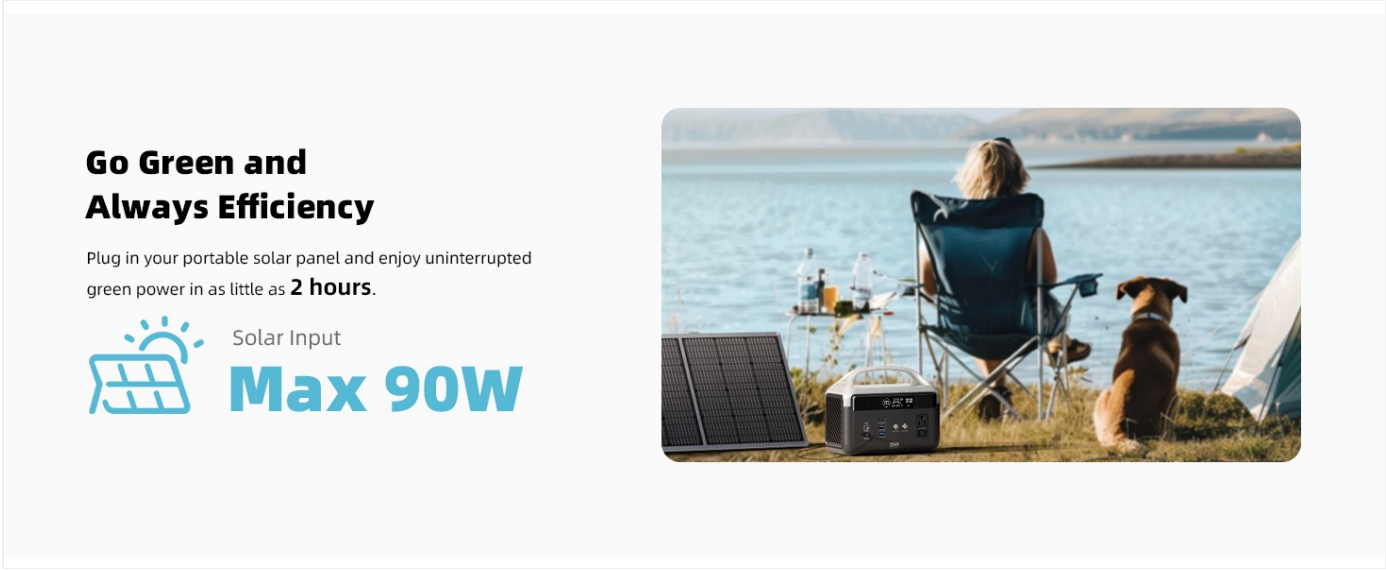



*Figure 6.3: Power station charging via car charger.*

Connect the power station to your car's 12V lighter socket using a compatible car charging cable (not included). Charging time is approximately 2 hours.

## 7. Operating the Power Station

### 7.1. Powering On/Off

Press and hold the main power button (usually located near the display) to turn the unit on or off. The digital display will illuminate upon activation.

### 7.2. Using AC Outputs

To use the AC outlets, press the "AC ON/OFF" button. The AC indicator on the display will light up. Plug your devices into the AC outlets. Ensure the total wattage of your devices does not exceed 300W (600W peak).




*Figure 7.1: Power station charging a laptop via AC output.*

## 7.3. Using DC and USB Outputs

Press the "DC ON/OFF" button to activate the DC 5521, USB-A, and USB-C outputs. The DC indicator on the display will light up. Plug your devices into the respective ports.




*Figure 7.2: Power station with a fan, phone, and other devices connected to its various output ports.*

## 7.4. Emergency LED Light

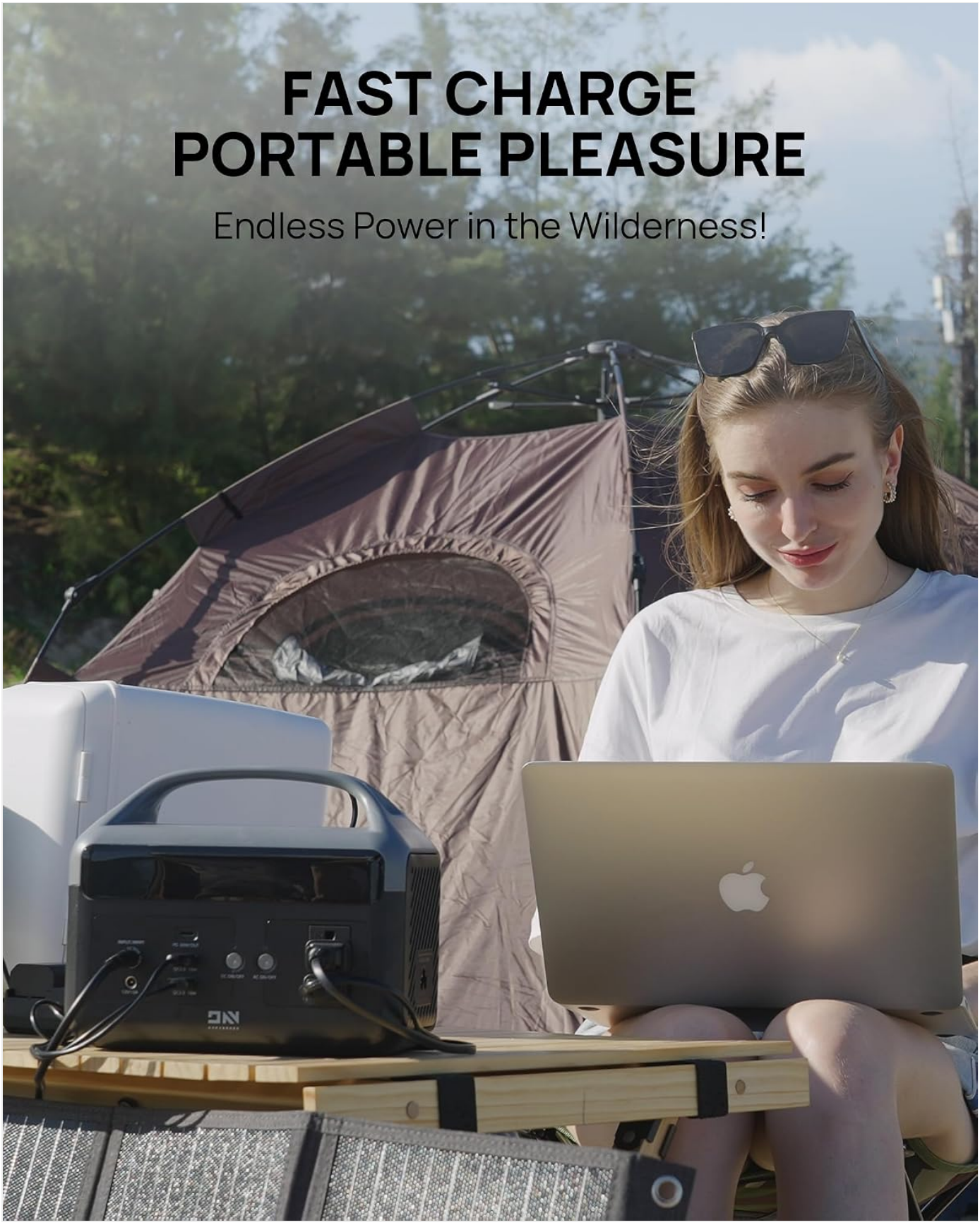



*Figure 7.3: Power station with its integrated LED light activated.*

The power station is equipped with a 4-level brightness LED flashlight. Press the LED flashlight switch (located on the rear panel) to cycle through different lighting modes: steady light (multiple brightness levels) and SOS mode. This feature is useful for camping or power outages.

## 8. Maintenance

Proper maintenance ensures the longevity and performance of your DaranEner NEOZ Portable Power Station.

- **Storage:** Store the power station in a cool, dry place away from direct sunlight and extreme temperatures.
- **Charging Frequency:** For optimal battery health, fully charge the unit every 3-6 months, even if not in use.
- **Cleaning:** Use a dry, soft cloth to clean the exterior of the unit. Do not use abrasive cleaners or solvents.
- **Battery Life:** The LiFePO4 battery is designed for over 3500 charge cycles, providing long-term reliability.

## 9. Troubleshooting

If you encounter issues with your power station, refer to the following common troubleshooting steps:

| Problem | Possible Cause | Solution |
|---|---|---|
| Unit not turning on | Battery is depleted; Power button not pressed correctly. | Charge the power station; Press and hold the power button for 3 seconds. |
| AC output not working | AC output not activated; Device exceeds 300W; Overload protection. | Press the "AC ON/OFF" button; Check device wattage; Disconnect device and restart AC output. |
| USB/DC output not working | DC output not activated; Device not compatible. | Press the "DC ON/OFF" button; Ensure device is compatible with port specifications. |
| Slow charging | Using a low-power charger; Environmental factors (solar). | Use the provided AC charging cable; Ensure optimal sunlight for solar charging. |

If the problem persists after trying these solutions, please contact DaranEner customer service.

## 10. Specifications

| Feature | Detail |
|---|---|
| Brand | DaranEner |
| Model Name | NEOZ Portable Power Station |
| Style | 300W-179.2Wh |
| Battery Type | LiFePO4 (Lithium-Phosphate) |
| Capacity | 179.2Wh (56000mAh, 3.2V) |
| AC Output | 300W (Peak 600W) Pure Sine Wave, 110V, 60Hz |
| USB-C Output | 1 x 60W PD Fast Charge |
| USB-A Output | 2 x 18W QC3.0 |
| DC 5521 Output | 1 x DC 5521 output |
| AC Charging Input | 110W (Approx. 1.5 hours to full charge) |
| Solar Charging Input | MPPT 90W Max (11-30V 4A Max) (Approx. 2 hours to full charge) |
| Car Charging Input | 12V (Approx. 2 hours to full charge) |
| Dimensions | 8.6"L x 7"W x 5.1"H |

| Feature | Detail |
| --- | --- |
| Item Weight | 6.2 Pounds |
| Material | ABS |
| Total Power Outlets | 7 |

## 11. Warranty and Support

The DaranEner NEOZ Portable Power Station comes with a**2-Year Manufacturer Warranty**.
If you have any questions about the product, require technical assistance, or need to claim warranty service, please contact our customer service team. We are committed to providing premium service and will respond to your inquiries within 24 hours.
For further assistance, please visit the official DaranEner Store:DaranEner Store on Amazon

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