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WEN PP300i

WEN 300-Watt 269Wh Lithium-Ion Power Station

Model: PP300i

Brand: WEN

1. Product Overview

The WEN PP300i Power Station is a versatile, gasless, battery-powered inverter generator designed to provide reliable backup power for various applications, including sporting events, camping, and emergency blackouts. With a 269-watt-hour lithium-ion battery, it delivers up to 600 surge watts and 300 rated watts of clean, stable electricity, safe for sensitive electronics.

This unit operates quietly, produces no fumes, and requires minimal maintenance, making it an ideal portable power solution.



Figure 1.1: The WEN PP300i Power Station, a compact and portable energy source.

Key Features:

- **Gasless Operation:** Battery-powered design eliminates emissions, noise, and routine maintenance associated with traditional generators.
- **Clean Energy Output:** Inverter technology provides a pure sine wave output, limiting total harmonic distortion to under 3 percent, safe for sensitive electronics like laptops and smartphones.
- **Multiple Output Ports:** Equipped with two 120V NEMA 5-15R receptacles, one quick-charge 12V USB-A port, two standard 5V USB-A ports, one 20V 60W USB-C port, one automotive-style 12V 10A DC socket, and two 12V DC barrel sockets.
- **Informative Backlit Display:** Provides real-time data on battery charge level, power station temperature, wattage input and output, and individual outlet status.
- **Integrated LED Light:** Features an onboard LED light for illuminating work areas, capable of flashing an SOS pattern for emergencies.
- **Portable Design:** Lightweight at 7.1 pounds with a rubber-gripped carrying handle that collapses for easy stacking.

2. Product Components and Layout

Familiarize yourself with the various ports and controls on your WEN PP300i Power Station.

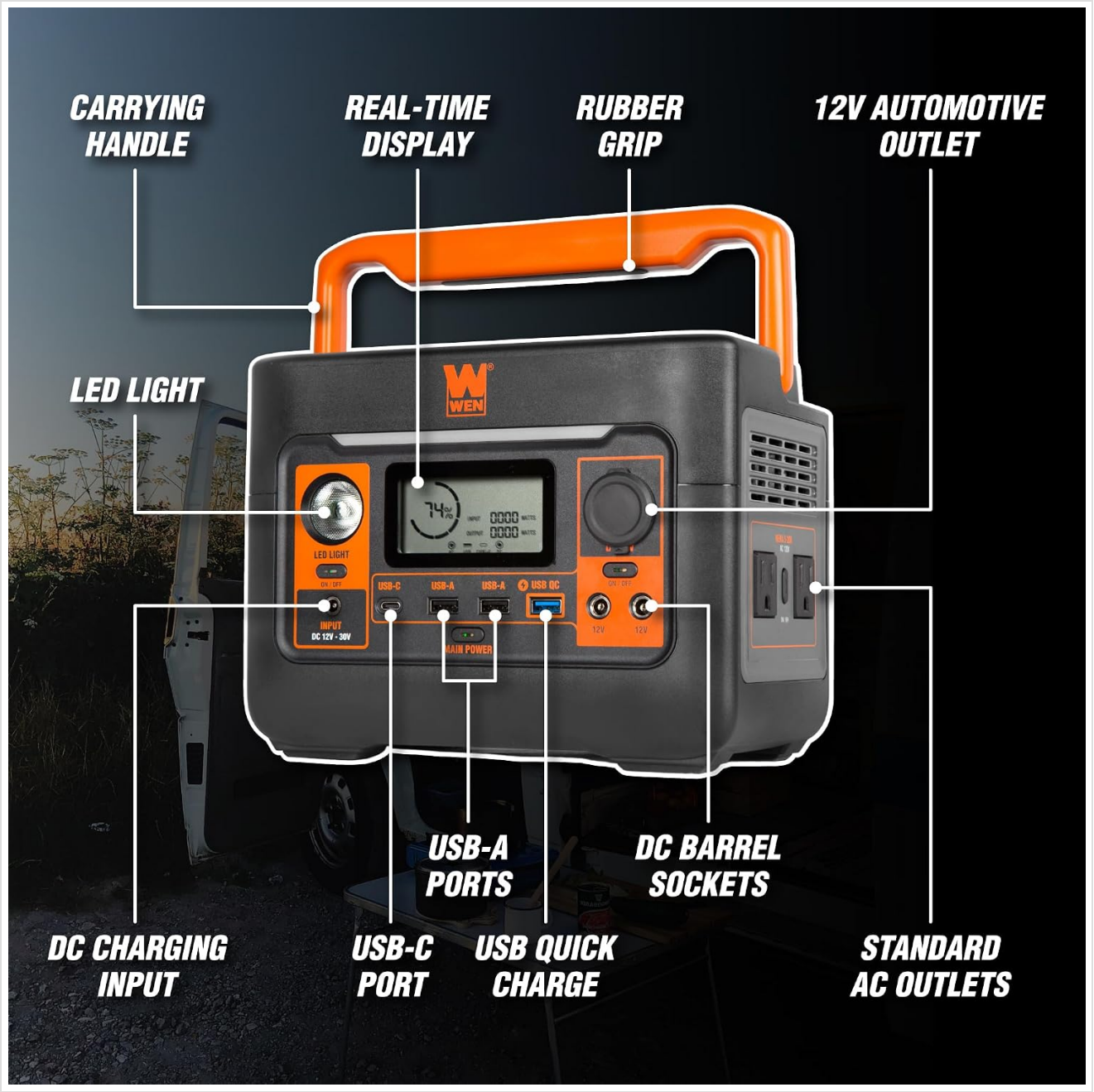


Figure 2.1: Front panel layout with key components labeled, including the carrying handle, real-time display, various USB ports, DC charging input, DC barrel sockets, 12V automotive outlet, and standard AC outlets.

Detailed Component Description:

- **Carrying Handle:** Ergonomic, rubber-gripped handle for easy transport. Collapses for compact storage.
- **LED Light:** Integrated light source with an ON/OFF button, also capable of SOS signaling.
- **DC Charging Input (12V-30V):** Port for charging the power station using the included wall charger or compatible solar panels.
- **USB-C Port:** One 20V 60W USB-C port for fast charging compatible devices.
- **USB-A Ports:** Includes two standard 5V 12W USB-A ports and one quick-charge 12V 24W USB-A port.
- **Real-Time Display:** Backlit LCD screen showing battery status, power input/output, temperature, and active outlets.
- **12V Automotive Outlet:** Standard car-style 12V 10A DC socket.

- **DC Barrel Sockets:** Two 12V DC barrel sockets for various 12V devices.
- **Standard AC Outlets (NEMA 5-15R):** Two three-prong 120V outlets for household appliances.

3. Setup Guide

3.1 Initial Charging

Before first use, it is highly recommended to fully charge your WEN PP300i Power Station. This ensures optimal battery performance and longevity.

- Connect the included 65W wall charger to the DC INPUT (12V-30V) port on the front panel of the power station.
- Plug the wall charger into a standard 120V AC wall outlet.
- The backlit display will show the charging progress, indicating the battery percentage increasing.
- A full charge from 0% using the standard wall charger takes approximately 4.5 hours.

The unit is also compatible with aftermarket quick chargers (approx. 2.5 hours) and solar panels (approx. 2.5 hours with a 125W solar panel, not included) for faster or alternative charging methods.



Figure 3.1: The WEN PP300i supports charging via wall outlet, quick charger, or compatible solar panels (sold separately).

3.2 Placement

Place the power station on a stable, flat surface in a well-ventilated area. Ensure there is adequate space around the unit for proper airflow, especially around the cooling vents. Avoid placing it in direct sunlight or near heat sources.

4. Operating Instructions

4.1 Turning On/Off

To turn the WEN PP300i on, press and hold the 'MAIN POWER' button located below the display until the screen illuminates. To turn it off, press and hold the 'MAIN POWER' button again until the display turns off.

4.2 Using AC Outlets

The power station provides two 120V NEMA 5-15R receptacles for standard household appliances.

- Ensure the power station is turned on.
- Press the 'ON/OFF' button located above the AC outlets to enable AC output. The corresponding icon on the display will light up.
- Plug your device into one of the AC outlets.
- Monitor the output wattage on the display to ensure it is within the unit's 300W rated capacity.

4.3 Using USB Ports

The unit features multiple USB ports for charging various portable devices.

- Ensure the power station is turned on.
- Simply plug your USB-compatible device into the appropriate USB-A or USB-C port. The USB ports are typically active when the unit is powered on.
- The display will indicate if the USB output is active.

4.4 Using DC Sockets

The power station includes one automotive-style 12V 10A DC socket and two 12V DC barrel sockets.

- Ensure the power station is turned on.
- Press the 'ON/OFF' button located above the 12V DC outlets to enable DC output. The corresponding icon on the display will light up.
- Connect your 12V DC device to the appropriate socket.

4.5 Understanding the Backlit Information Display

The backlit display provides crucial real-time information about the power station's status.



Figure 4.1: The detailed backlit display provides real-time data on battery charge, power input/output, and active outlets.

- **Battery Charge:** Displays the current battery percentage.
- **Power Input:** Shows the wattage being drawn for charging (e.g., from wall charger or solar panel).
- **Power Output:** Indicates the total wattage being consumed by connected devices.
- **Indicator Icons:** Icons illuminate to show which outputs (AC, USB, DC) are currently active. Warnings like 'OVERLOAD' or temperature alerts may also appear.

4.6 LED Light Functionality

The integrated LED light can be used for illumination or emergency signaling.



Figure 4.2: The LED light provides illumination and can flash an SOS pattern for emergencies.

- Press the 'ON/OFF' button next to the LED light to turn it on.
- Press again to cycle through different brightness levels.
- Press and hold the button to activate the SOS flashing pattern.

5. Maintenance

Proper maintenance ensures the longevity and optimal performance of your WEN PP300i Power Station.

5.1 Cleaning

- Wipe the exterior of the unit with a soft, dry cloth.
- Do not use abrasive cleaners, solvents, or harsh chemicals.
- Ensure the cooling vents are clear of dust and debris to prevent overheating.

5.2 Storage

- Store the power station in a cool, dry place, away from direct sunlight, moisture, and extreme temperatures.

- For long-term storage (over 3 months), it is recommended to charge the unit to approximately 50-80% every 3-6 months to preserve battery health and prevent deep discharge.

5.3 Battery Care

- Avoid fully discharging the battery frequently, as this can reduce its lifespan.
- Recharge the unit promptly after use, especially after heavy discharge.

6. Troubleshooting

If you encounter issues with your WEN PP300i Power Station, refer to the following common troubleshooting steps.

6.1 Unit Not Turning On

- **Check Battery Level:** Ensure the battery has sufficient charge. If low, connect the unit to a power source and charge it.
- **Power Button:** Confirm that the 'MAIN POWER' button is pressed and held for a few seconds to properly activate the unit.

6.2 No Output from Ports

- **Enable Output:** Verify that the specific output (AC, DC) is enabled via its dedicated ON/OFF switch.
- **Overload Protection:** Check the display for an 'OVERLOAD' indicator. If present, disconnect the overloaded device and restart the output. The unit will automatically shut down an output if the connected load exceeds its capacity.
- **Device Compatibility:** Ensure the connected device's power requirements are within the power station's limits (300W rated, 600W surge).

6.3 Slow Charging

- **Charger Connection:** Ensure the wall charger is properly connected to both the power station and the wall outlet.
- **Solar Charging:** If using solar panels, ensure they are correctly positioned to receive maximum sunlight and are compatible with the unit's input specifications (12V-30V DC).

If problems persist after attempting these steps, please contact WEN customer support.

7. Technical Specifications



Figure 7.1: Dimensions of the WEN PP300i Power Station.

Specification	Value
Model Name	300-Watt 269Wh Lithium-Ion Power Station and Battery-Powered Inverter Generator
Model Number	PP300i
Brand	WEN
Battery Capacity	269Wh (Watt-hours)
Rated Wattage	300 Watts
Surge Wattage	600 Watts
Voltage	120 Volts
AC Output	2 x NEMA 5-15R (120V)
USB-A Output	2 x 5V 12W, 1 x 12V 24W (Quick Charge)
USB-C Output	1 x 20V 60W
DC Output	1 x 12V 10A (Automotive-style), 2 x 12V (Barrel Sockets)

Specification	Value
Charging Input	12V-30V DC
Dimensions (L x W x H)	9.17" x 5.79" x 6.93"
Item Weight	7.1 Pounds
Included Components	300-Watt 269Wh Lithium-Ion Power Station, Standard 65W Wall Charger
Special Feature	Super Quiet, LED Light with SOS Mode

8. Warranty and Support

8.1 Warranty Information

The WEN 300-Watt 269Wh Lithium-Ion Power Station (PP300i) comes backed by a**two-year limited warranty**. This warranty covers defects in material and workmanship under normal use.

Please retain your proof of purchase for warranty claims.

8.2 Customer Support

For technical assistance, troubleshooting, or warranty inquiries, please contact WEN customer support. You can find contact information on the official WEN website or through your product documentation.

Visit the official WEN Store for more information and products:WEN Store on Amazon

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