

Energizer PPS1100W2F

Energizer PPS1100W2F Portable Power Station User Manual

Model: PPS1100W2F | Brand: Energizer

Introduction	Safety Information	Product Overview	Setup	Operating Instructions	Maintenance
	Troubleshooting	Specifications	Recycling	Support	

1. INTRODUCTION

This manual provides essential information for the safe and efficient operation of your Energizer PPS1100W2F Portable Power Station. Please read this manual thoroughly before using the product and retain it for future reference. The Energizer PPS1100W2F is a high-capacity portable power station designed to provide reliable power for various applications, from outdoor activities to emergency backup power at home.

2. SAFETY INFORMATION

Always observe the following safety precautions to prevent injury or damage to the product:

- Do not disassemble, repair, or modify the unit.
- Do not place the unit near heat sources or in direct sunlight.
- Do not operate the unit in wet conditions or immerse it in water.
- Use only approved accessories and chargers.
- Keep out of reach of children and pets.
- Ensure proper ventilation during use and charging.
- Avoid dropping or subjecting the unit to strong impacts.
- In case of fire, use a dry powder fire extinguisher. Do not use water.

3. PRODUCT OVERVIEW

3.1. Components and Ports

The Energizer PPS1100W2F features a robust design with multiple input and output ports for versatile power delivery.



Image 1: Front Panel of Energizer PPS1100W2F. This image displays the front of the power station, highlighting the main display, AC outlets, DC output, USB ports, and input port. The unit has a black casing with a red handle.

- **Main Display:** Shows battery level, input/output power, and status indicators.
- **AC Outlets (x3):** Standard AC power outputs for household appliances.
- **DC Output (12V):** For 12V DC devices.
- **USB-A Ports (x2):** For charging smartphones and other USB-powered devices.
- **USB-C Ports (x2):** For charging modern USB-C devices, including Power Delivery (PD) compatible devices.
- **AC Input:** For charging the power station from a wall outlet.
- **LED Light:** Integrated 480lm LED light for illumination.

3.2. Next-Generation Battery Technology

The PPS1100W2F is equipped with a next-generation Lithium Manganese Iron Phosphate (LMFP) battery, offering enhanced safety, longevity, and environmental benefits compared to traditional lithium-ion batteries.

リサイクルできる環境に優しい 次世代リン酸マンガンリチウムイオン電池搭載！

ポータブル電源の主流であるリン酸鉄リチウムイオン電池のアップグレード版である次世代リン酸マンガンリチウムイオン電池を日本※1で初めて搭載したポータブル電源です。

ポータブル電源搭載電池

第1世代

3元リチウムイオン電池
2020年～

第2世代

リン酸鉄リチウムイオン電池
2021年～

次世代

リン酸マンガンリチウムイオン電池
2024年～



※1
日本初

発火しない
安全な電池

10年使える
長寿命電池

エネルギー密度が
高く、10%以上
大容量化！

リサイクル
可能な環境に
優しい電池

※1 2024年2月当社調べ

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Image 2: Lithium Manganese Iron Phosphate Battery Features. This image illustrates the stacked battery cells and highlights key advantages of the LMFP battery: non-flammable for safety, a 10-year lifespan, high energy density for large capacity, and recyclability for environmental friendliness.

- **Enhanced Safety:** The LMFP chemistry is inherently more stable and less prone to thermal runaway, reducing the risk of fire.
- **Long Lifespan:** Designed for extended use, providing reliable power for many years.

- **High Energy Density:** Allows for a compact design while maintaining a large power capacity.
- **Environmentally Friendly:** The battery is recyclable, contributing to reduced environmental impact.

4. SETUP

4.1. Unpacking

Carefully remove the power station and all accessories from the packaging. Verify that all components are present:

- Energizer PPS1100W2F Portable Power Station
- AC Charging Cable
- User Manual

4.2. Initial Charging

Before first use, fully charge the power station. Connect the AC charging cable to the AC input port on the unit and then to a wall outlet. The display will indicate charging status. A full charge typically takes approximately 90 minutes.

災害時に安心の 480lm の大型 LED 搭載



停電時に一番不安なのは、明かりがないブラックアウト状態です。Energizer® 製ポータブル電源は全ての機種に 480lm (6W) の大型 LED が搭載されています。



停電時

480lm LED 点灯時



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Image 3: Fast Charging Capability. This image highlights the fast charging feature, allowing the power station to reach 80% charge in approximately 60 minutes and a full charge in about 90 minutes using a 1000W AC input.

4.3. Placement

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

5. OPERATING INSTRUCTIONS

5.1. Turning On/Off

To turn on the power station, press and hold the main power button until the display illuminates. To turn off, press and hold the main power button again until the display turns off.

5.2. Charging the Power Station

The PPS1100W2F can be charged via AC wall outlet or solar panels.

- **AC Charging:** Connect the provided AC charging cable to the AC input port and a standard wall outlet.
- **Solar Charging:** Connect compatible solar panels (sold separately) to the designated solar input port. The power station supports 100W/200W solar panels.



Image 4: Solar Panel Charging. This image shows the Energizer PPS1100W2F connected to a foldable solar panel for charging outdoors, demonstrating its compatibility with renewable energy sources.

5.3. Using AC Outputs

Press the AC power button to activate the AC outlets. Plug your devices into the AC outlets. The power station provides a rated output of 1200W and a peak output of 2400W, suitable for various household appliances.

急速充電

約90分で
フル充電

BMSで
急速充電も
しっかり管理

急速充電
90分フル充電！

家庭用のACコンセントより、1000Wで入力し、
約60分で80%充電／約90分でフル充電できます。

電池をやさしく見守る BMS (Battery Management System)

ポータブル電源の心臓部であるBMSは100年近い
バッテリーを製造してきたノウハウで開発された
安全・安心なBMSです。
BMSが充電時のバッテリーの安全性を確保するため、
過充電、過放電が起こらないよう監視します。
必要に応じて充電または放電を停止しバッテリーの
寿命を延ばし、性能を最適化するシステムです。

BMS

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Image 5: High Power Output Application. The power station is shown powering a hot plate outdoors, illustrating its capability to handle appliances with high power consumption, up to 1200W rated output.

5.4. Using DC and USB Outputs

Press the DC/USB power button to activate the DC and USB ports. Connect your devices to the appropriate ports. The power station supports charging for smartphones, laptops, and other compatible devices.

大容量: 1102.5Wh

スマートフォンなら約70回 / タブレットなら約30回 / ノート PCなら約13時間。
600ℓクラスの冷蔵庫なら1日以上使える1102.5Whの大容量バッテリーを搭載。



多くの家電が使える。

瞬間最大2400W出力・定格出力合計1200Wの高出力
瞬間最大2400Wの高出力に対応し、安定的に1200Wの出力ができる為、
電気ケトルやヘアドライヤーなど消費電力が高めな家電も動かせる一台です。



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Image 6: Indoor Charging Scenario. The power station is depicted charging a smartphone indoors, demonstrating its use for everyday device charging with its 1102.5Wh capacity.

5.5. Pass-Through Charging (Offline UPS Function)

The PPS1100W2F supports pass-through charging, allowing you to charge the power station while simultaneously powering devices. It also features an automatic power switching (offline UPS) function. In the event of a power outage, the unit can switch to battery power within 0.012 seconds, ensuring uninterrupted power for connected devices.

多くの家電に対応！



テレビ
(140W)

約 **6.3** 時間



プロジェクター
(100W)

約 **8.8** 時間



ポータブル
冷蔵庫
(60W)

約 **14.7** 時間



温風
サーキュレーター
(1200W)

約 **0.7** 時間



ノートPC
(65W)

約 **13.6** 時間



ホットサンドメーカー
(600W)

約 **11** 回



iPhone
(6.1インチ3349mAh)

約 **70** 回



スマートフォン
(6.1インチ4500mAh)

約 **52** 回



iPad
(7,606 mAh)

約 **30** 回



冷蔵庫
(601L 32Wh)

約 **27.6** 時間



ヘアドライヤー
(1200W)

約 **0.7** 時間



電気毛布
(55W)

約 **16** 時間



ケトル
(1200W)

約 **8** 回



ミキサー
(250W)

約 **70** 回



ゲーム機器
(16W)

約 **55.1** 時間



炊飯器
(1.5合炊き 233Wh)

約 **3** 回



炊飯器
(5.5合炊き 155Wh)

約 **5** 回

ソーラーパネル充電

電気のない屋外での充電も…

キャンプ、災害時など電気のない場所でも太陽光を使用したクリーンなエネルギーでポータブル電源を充電できるソーラーパネル充電に対応。

100W/200W で充電できるソーラーパネルをオプションでご用意。

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Image 7: Pass-Through Charging and UPS Function. This image shows the power station connected to a power strip, illustrating its ability to charge itself while powering other devices, and its role in an emergency kit with its automatic power switching capability.

5.6. LED Light Function

Press the LED light button to turn on the integrated 480lm LED light. This feature is useful for illumination during power outages or in dark environments.

普段からの備えに パススルー充電+自動給電(オフラインUPS 機能)

いざという時にポータブル電源が空では意味がありません。

Energizer® 製ポータブル電源には普段から電源タップ※1 代わりに使うことでポータブル電源のバッテリーを消費せずに家電を動かすことのできるパススルー機能※2が備わっています。放電時には自動※3で充電する為、バッテリー残量が100%の状態を維持します。



家庭用のブレーカーが落ちても、電力供給元が0.012秒以内でポータブル電源の内蔵バッテリーに切り替わり、電化製品をそのまま使い続けることができる自動給電(オフラインUPS機能※4)も搭載されています。

※1 本体 AC 出力の定格出力合計 1,200W 以下でご使用ください。

※2 電化製品への給電は、ポータブル電源ではなく AC コンセントとなります。

※3 接続する家電の消費電力によっては、正常に動作しない場合がございます。

※4 オフライン UPS 機能は 0ms(ミ秒) での切替えには対応しておりません。データサーバーやワークステーションのような完全なUPS機能を必要とするデバイスにはご利用いただけませんので、あらかじめご了承ください。

製品により応答時間が異なりますので、各製品の仕様をご確認ください。

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Image 8: 480lm LED Light in Use. This image provides a visual comparison, showing a dark room during a power outage and the same room adequately lit by the power station's built-in 480lm LED light, highlighting its utility in emergency situations.

6. MAINTENANCE

6.1. Cleaning

Wipe the unit with a dry, soft cloth. Do not use abrasive cleaners or solvents. Ensure all ports are free of dust and debris.

6.2. Storage

If storing the power station for an extended period, charge it to approximately 50-80% every 3-6 months to maintain battery health. Store in a cool, dry place away from direct sunlight and extreme temperatures.

7. TROUBLESHOOTING

- **Unit not turning on:** Ensure the battery is charged. Press and hold the power button for a few seconds.
- **Devices not charging:** Check if the output ports (AC, DC, USB) are activated. Verify that the device cables are properly connected. Ensure the device's power consumption does not exceed the power station's output limits.
- **Slow charging:** Ensure you are using the original AC charging cable or a compatible high-power solar panel. Check for any error codes on the display.
- **Overload warning:** If an overload warning appears, disconnect some devices to reduce the total power draw. The unit may automatically shut down to prevent damage.

If problems persist, contact customer support.

8. SPECIFICATIONS

Feature	Detail
Model	PPS1100W2F
Battery Type	Lithium Manganese Iron Phosphate (LMFP)
Capacity	1102.5Wh
AC Output (Rated)	1200W (Pure Sine Wave)
AC Output (Peak)	2400W
DC Output	12V
USB-A Output	2 ports
USB-C Output	2 ports (PD compatible)
AC Input	1000W (Fast Charging)
Solar Input	100W/200W compatible
LED Light	480lm
Dimensions (L x W x H)	316mm x 240mm x 300mm
Weight	16.8 kg
UPS Function	Automatic power switching (0.012s)

普段からの備えに パススルー充電+自動給電(オフラインUPS 機能)

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Energizer® 製ポータブル電源には普段から電源タップ※¹ 代わりに使うことでポータブル電源のバッテリーを消費せずに家電を動かすことのできるパススルー機能※²が備わっています。放電時には自動※³で充電する為、バッテリー残量が100%の状態を維持します。



家庭用のブレーカーが落ちても、電力供給元が0.012秒以内でポータブル電源の内蔵バッテリーに切り替わり、電化製品をそのまま使い続けることができる自動給電(オフラインUPS機能※⁴)も搭載されています。

※¹ 本体 AC 出力の定格出力合計 1,200W 以下でご使用ください。

※² 電化製品への給電は、ポータブル電源ではなく AC コンセントとなります。

※³ 接続する家電の消費電力によっては、正常に動作しない場合がございます。

※⁴ オフライン UPS 機能は 0ms(ミ秒) での切替えには対応しておりません。データサーバーやワークステーションのような完全なUPS機能を必要とするデバイスにはご利用いただけませんので、あらかじめご了承ください。

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Image 9: Product Dimensions. This image provides a visual representation of the power station's dimensions: 316mm (length), 240mm (width), and 300mm (height).

9. RECYCLING AND DISPOSAL

When the Energizer PPS1100W2F Portable Power Station reaches the end of its service life, it should be recycled or disposed of responsibly. Energizer portable power stations are designed with recyclable components, particularly the Lithium Manganese Iron Phosphate battery. Please follow local regulations for battery and electronic waste disposal.



Image 10: Environmental Responsibility. This image emphasizes the importance of recycling and proper disposal of the portable power station to protect the environment.

For more information on recycling programs, please refer to relevant local authorities or battery recycling associations.

10. WARRANTY AND SUPPORT

For warranty information, technical support, or service inquiries, please refer to the warranty card included with your product or visit the official Energizer website. Keep your purchase receipt as proof of purchase.

Contact Information:

- Official Energizer Website: www.energizer.com (Please check for regional support contacts)

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ASK A QUESTION ABOUT THIS MANUAL

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. [Privacy details](#).

Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question