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IEE P1800

IEE P1800 Portable Power Station User Manual

Model: P1800

Brand: IEE

1. INTRODUCTION

The IEE P1800 Portable Power Station is a versatile and high-capacity power solution designed for both home and outdoor use. Featuring a 1024Wh capacity and 1800W AC output (3600W surge), it utilizes advanced LiFePO4 battery technology for long-lasting performance and safety. This manual will guide you through its features, setup, operation, and maintenance.



2. SAFETY INFORMATION

Please read and understand all safety instructions before operating the IEE P1800 Portable 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 the unit away from fire, water, and extreme temperatures.
- Ensure proper ventilation during use and charging.
- Avoid dropping or subjecting the unit to strong impacts.
- Keep out of reach of children.

2.1. LiFePO4 Battery Safety

The IEE P1800 uses high-quality LiFePO4 (Lithium Iron Phosphate) batteries, known for their safety and longevity. These batteries offer approximately 4000 charge/discharge cycles, maintaining over 80% capacity. The integrated Battery Management System (BMS) provides multiple protections:

- Over-temperature protection
- Low-temperature protection
- Over-discharge protection
- Overload protection
- Short-circuit protection
- Over-voltage protection
- Over-current protection



Image 2.1: The internal structure highlighting the durable LiFePO4 battery cells, designed for safety and extended lifespan.

3. PRODUCT OVERVIEW

3.1. Components and Ports

The IEE P1800 is equipped with a variety of input and output ports to power multiple devices simultaneously. The intuitive display provides real-time information on battery status, input/output power, and remaining usage time.

包装内容明細書

- 1 P1800*1
- 2 AC充電ケーブル*1
- 3 懐中電灯
- 4 ソーラー充電ケーブル*1
- 5 取扱説明書*1
- 6 保証書*1
- 7 4-in-1データケーブル*1



Image 3.1: Detailed diagram illustrating the various ports and display elements of the P1800.

- **AC Output:** 2x AC outlets (100V/1800W Pure Sine Wave, 3600W surge)
- **USB-A Output:** 3x USB-A ports (30W each)
- **USB-C Output:** 1x Type-C port (100W), 2x Type-C ports (30W each)
- **DC Output:** 1x Cigarette Lighter socket, 2x DC5521 ports
- **Input Ports:** AC input, Solar input (XT90), Car input
- **Display:** Ultra-precise screen showing input/output wattage, battery percentage, remaining hours, and Wi-Fi status.
- **LED Light:** Integrated flashlight for illumination.

4. SETUP

4.1. Initial Charging

Before first use, fully charge the IEE P1800. It supports rapid charging, reaching 80% in approximately 40 minutes and a full charge in about 1 hour via AC input. You can also charge it using solar panels or a car charger.



Image 4.1: The P1800 connected for rapid AC charging, demonstrating its quick power replenishment capability.

4.2. App Connection (Wi-Fi/Bluetooth)

The IEE P1800 can be remotely controlled and monitored via the dedicated IEE app. This allows you to check charging/discharging status, schedule charging times (e.g., during off-peak hours for energy saving), and manage settings from your smartphone. The app supports both Bluetooth and Wi-Fi connections (2.4GHz Wi-Fi networks only).

1. Download the IEE app from the App Store or Google Play.
2. Ensure both Bluetooth and Wi-Fi are enabled on your smartphone and the P1800 unit.
3. Press the DC button and LED button simultaneously on the P1800. The Wi-Fi icon on the display will start blinking.
4. Open the IEE app, add a new device, and follow the on-screen instructions to connect to the P1800. You will need to enter your Wi-Fi network's SSID and password.

Your browser does not support the video tag.

Video 4.1: Demonstrates the process of connecting the IEE P1800 to the mobile application for remote control and monitoring.



Image 4.2: The IEE app interface on a smartphone, showing real-time power status and control options for the P1800.

5. OPERATING INSTRUCTIONS

5.1. Powering Devices

The IEE P1800 can power up to 11 devices simultaneously through its various output ports. Simply plug your devices into the appropriate ports and ensure the corresponding output (AC, DC, USB) is turned on.

車でのキャンプ、外出先での使用に理想的

1024Wh/1800W



5時間

スロ-クッカ-(200W)



17時間

ミニ冷蔵庫(60W)



102回

スマホ (10Wh)

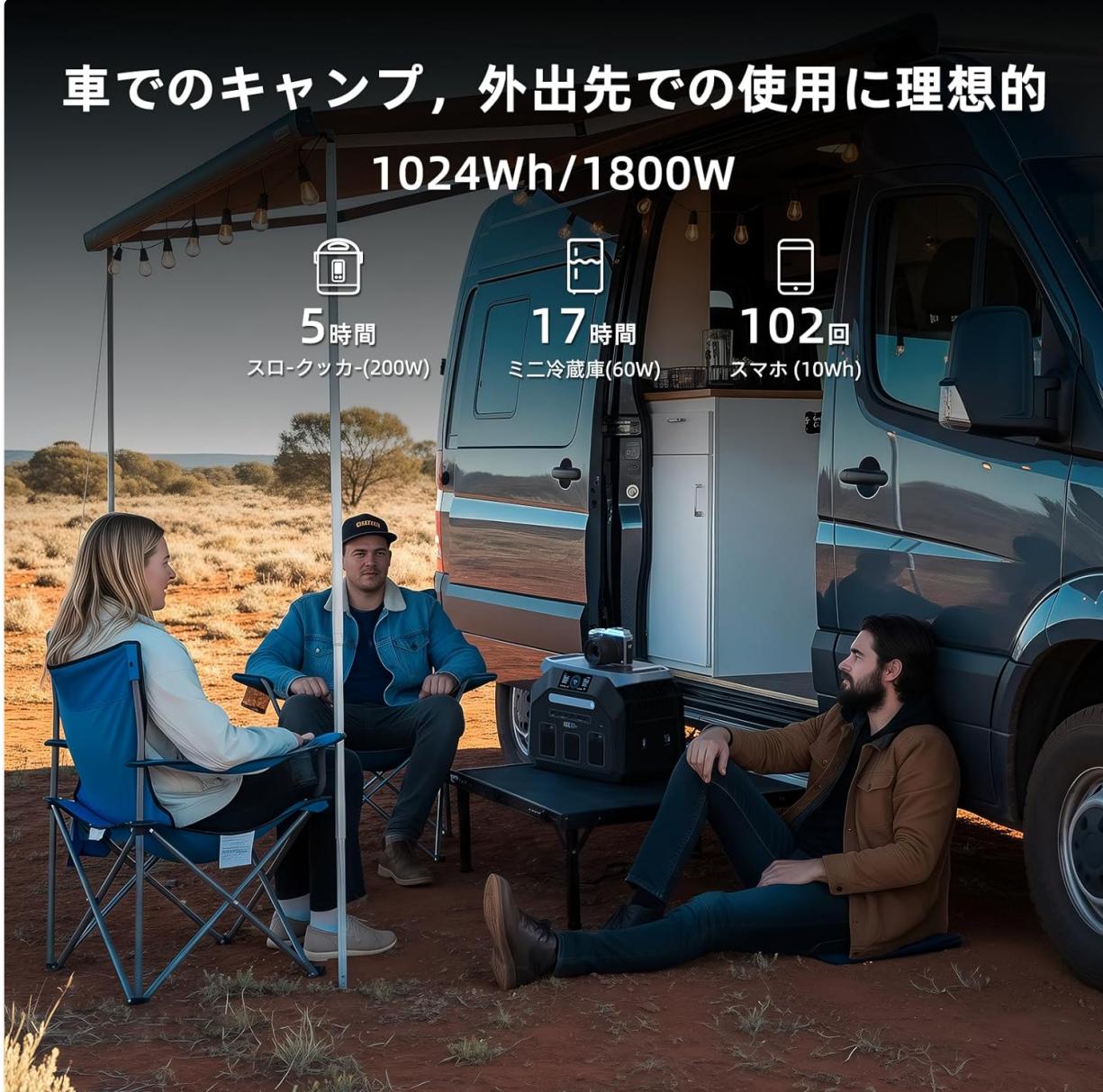


Image 5.1: The P1800 in an outdoor setting, providing power for a mini-fridge and charging a smartphone, ideal for camping and outdoor activities.

5.2. EPS (Emergency Power Supply) Function

The P1800 features an EPS function that provides uninterrupted power to connected devices. In the event of a power outage, the unit automatically switches to battery power within 0.01 seconds, ensuring continuous operation for critical equipment like surveillance systems or office devices.

ノンストップ保証:UPS (<0.01ms) インスタントリンク



*AC電源からの電気を遮断した0.01秒後、IEE P800から予備電気が供給されます

Image 5.2: The P1800 demonstrating its EPS function, seamlessly providing power to a desktop computer during a power interruption.

Your browser does not support the video tag.

Video 5.3: A demonstration of the IEE P1800 powering various devices in a camping setting, including a fan and a hair dryer, highlighting its versatility.

5.3. Charging Methods

The P1800 offers flexible charging options:

- **AC Charging:** Connect to a standard wall outlet using the provided AC charging cable.
- **Solar Charging:** Connect compatible solar panels (up to 500W) using the provided solar charging cable. This is ideal for outdoor use and off-grid power.
- **Car Charging:** Charge the unit from your vehicle's 12V cigarette lighter socket.

外出先でもソーラー充電 で簡単充電

 50分で0%から
100%まで充電

 最大500W
のソーラー入力



*理想的な条件下でのテスト結果です。

Image 5.4: The P1800 being charged by solar panels in an outdoor environment, showcasing its renewable energy compatibility.

6. MAINTENANCE

6.1. Cleaning and Storage

- Wipe the unit with a dry, soft cloth. Do not use abrasive cleaners or solvents.
- Store the unit in a cool, dry place, away from direct sunlight and moisture.
- For long-term storage, charge the unit to 50-80% every 3-6 months to prolong battery life.

6.2. Portability

Weighing only 12.7 kg, the IEE P1800 is designed for easy transport. It features a convenient carry handle, making it suitable for various outdoor activities.

持ち運びが便利

わずか12.7 kg



Image 6.1: A user easily transporting the P1800, emphasizing its lightweight and portable design for outdoor adventures.

7. TROUBLESHOOTING

If you encounter issues with your IEE P1800, please refer to the following common troubleshooting steps:

- **Unit not turning on:** Ensure the power button is pressed firmly. Check if the battery is completely depleted and try charging it.
- **No output from ports:** Verify that the specific output (AC, DC, USB) is enabled. Check if the device you are trying to power exceeds the port's maximum output or the unit's total output.
- **Charging issues:** Ensure all charging cables are securely connected. Check the power source (wall outlet, solar panel, car charger) for proper function.
- **App connection problems:** Confirm your smartphone's Bluetooth and Wi-Fi are on. Ensure the P1800's Wi-Fi icon is blinking. Restart both the app and the power station. Remember the app only supports 2.4GHz Wi-Fi.
- **Overload protection activated:** If the unit shuts down due to overload, disconnect some devices and restart the unit.

If the problem persists, please contact customer support for assistance.

8. SPECIFICATIONS

Feature	Specification
Model Number	P1800
Battery Type	LiFePO4 (Lithium Iron Phosphate)
Capacity	1024Wh (320000 mAh)
AC Output (Rated)	1800W (Pure Sine Wave)
AC Output (Surge)	3600W
AC Voltage	100V
AC Frequency	50Hz/60Hz (Switchable)
USB-A Output	3x 30W ports
USB-C Output	1x 100W port, 2x 30W ports
DC Output	1x Cigarette Lighter, 2x DC5521
Max Solar Input	500W
Charging Time (AC)	Approx. 1 hour (full charge)
EPS Function	Automatic switchover within 0.01s
Noise Level	25dB (Quiet Design)
Weight	12.7 kg
Dimensions	46 x 41.4 x 32.6 cm
Connectivity	Wi-Fi, Bluetooth (2.4GHz only)

9. WHAT'S IN THE BOX

The IEE P1800 Portable Power Station package includes:

- 1x P1800 Portable Power Station
- 1x AC Charging Cable
- 1x Flashlight
- 1x Solar Charging Cable
- 1x User Manual
- 1x Warranty Card
- 1x 4-in-1 Data Cable



Image 9.1: All items included in the IEE P1800 product package, neatly arranged.

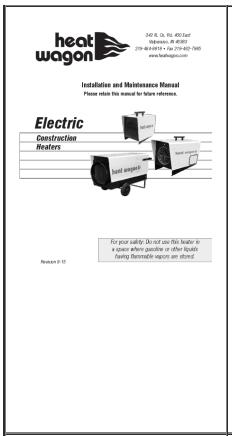
10. WARRANTY AND SUPPORT

The IEE P1800 Portable Power Station comes with a 5-year manufacturer's warranty. We maintain a domestic after-sales service department to ensure product quality. In the unlikely event of a defect, damage, or incorrect product delivery under normal use, free repair or exchange will be provided.

For any inquiries or support needs after purchase, please contact our customer support or email address. We are committed to providing prompt assistance.

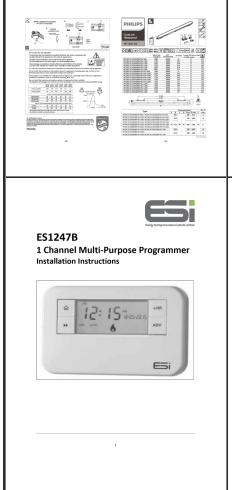
Related Documents - P1800

 <p>Portable Power Station USER MANUAL_V1.0 Model: P1800</p> <p><small>IEE Electronics. Design. Manufacturing. Reliability. IEE P1800 Portable Power Station User Manual V1.0. © 2023 IEE Electronics. All rights reserved. This manual is the property of IEE Electronics and is intended for the sole use of the customer. It is not to be reproduced, copied, or distributed without the express written consent of IEE Electronics. The information contained herein is subject to change without notice or obligation. IEE Electronics is not responsible for typographical or editorial errors that may appear in this manual.</small></p>	<p>P1800 Portable Power Station User Manual V1.0</p> <p>User manual for the P1800 Portable Power Station by Initial Entropy Energy, detailing its features, charging methods (AC, Solar, Car), operation of buttons and ports, product specifications, flashlight usage, error codes, package contents, safety precautions, and disposal instructions.</p>
 <p>Portable Power Station USER MANUAL_V1.0 Model: P1800</p> <p><small>IEE Electronics. Design. Manufacturing. Reliability. IEE P1800 Portable Power Station User Manual V1.0. © 2023 IEE Electronics. All rights reserved. This manual is the property of IEE Electronics and is intended for the sole use of the customer. It is not to be reproduced, copied, or distributed without the express written consent of IEE Electronics. The information contained herein is subject to change without notice or obligation. IEE Electronics is not responsible for typographical or editorial errors that may appear in this manual.</small></p>	<p>Portable Power Station P1800 User Manual Initial Entropy</p> <p>Comprehensive user manual for the Initial Entropy P1800 Portable Power Station, covering features, charging, operation, specifications, error codes, and safety guidelines.</p>
 <p>IEE Electronics. Design. Manufacturing. Reliability. IEE 1501v1 Relay Module: Technical Specifications and Operation. © 2023 IEE Electronics. All rights reserved. This manual is the property of IEE Electronics and is intended for the sole use of the customer. It is not to be reproduced, copied, or distributed without the express written consent of IEE Electronics. The information contained herein is subject to change without notice or obligation. IEE Electronics is not responsible for typographical or editorial errors that may appear in this manual.</p>	<p>IEE 1501v1 Relay Module: Technical Specifications and Operation</p> <p>Detailed technical specifications and operating instructions for the IEE 1501v1 single-contact NO/NC relay module, featuring adjustable 0-10 Vdc input signal and DIN rail compatibility from IEE Electronics.</p>



[Heat Wagon Electric Construction Heaters: Installation and Maintenance Manual](#)

Comprehensive installation, operation, maintenance, and troubleshooting guide for Heat Wagon electric construction heaters, covering models P600, P900, P1800 series, P4000, and P6000.



[Philips CoreLine Waterproof WT120C G2 Installation and Safety Guide](#)

Comprehensive installation instructions and safety precautions for the Philips CoreLine Waterproof WT120C G2 LED luminaire. Covers wiring, mounting, and environmental considerations.



[ES1247B 1 Channel Multi-Purpose Programmer Installation Instructions](#)

Comprehensive installation guide for the ESI ES1247B 1 Channel Multi-Purpose Programmer. Covers safety, technical specifications, settings, backplate installation, wiring, and PIN changes.

Documents - IEE – P1800

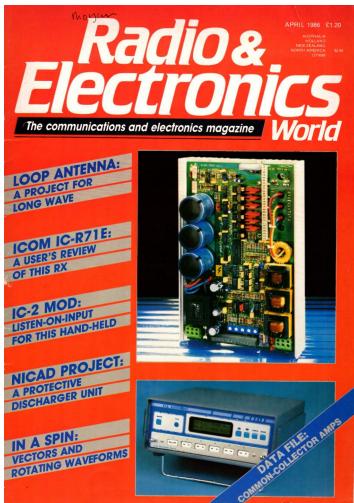


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[\[pdf\]](#) User Manual Instructions

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P182 0 50 0.70 0.70 PY83 0.70 P188 PY500A **P1800** 0.65 1.95 0.79 P1801 0.79
0133-300 54.95 0E35-1750 139.50 01315-3500 495.00 0E03-10 4.95 ...
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