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FOSSiBOT F1200

FOSSiBOT F1200 Portable Power Station User Manual

Model: F1200 | Brand: FOSSiBOT

Introduction

The FOSSiBOT F1200 Portable Power Station is a versatile and high-capacity energy solution designed for various applications, from outdoor adventures like camping to providing reliable backup power at home. Equipped with a durable 1024Wh LiFePO4 battery, it offers a stable 1200W AC output with a peak power of 2400W, capable of powering a wide range of electronic devices and small appliances. Its advanced features include ultra-fast charging, a seamless UPS function for uninterrupted power supply, and multiple output ports for diverse connectivity. This manual provides essential information on the safe operation, maintenance, and troubleshooting of your FOSSiBOT F1200 to ensure optimal performance and longevity.



Image: The FOSSiBOT F1200 Portable Power Station, a compact and robust device with a clear display and multiple ports.

Safety Instructions

Please read and understand all safety instructions before operating the FOSSiBOT F1200. Failure to follow these instructions may result in electric shock, fire, or serious injury.

- Do not disassemble, repair, or modify the unit. Incorrect reassembly may cause fire or electric shock.
- Do not place the unit near heat sources or in direct sunlight. Store in a cool, dry place.
- Avoid exposure to rain or moisture. Do not operate in wet conditions.
- Keep away from children and pets.
- Ensure proper ventilation during use to prevent overheating. Do not block ventilation openings.
- Use only original or certified charging cables and adapters.
- If the unit emits smoke, unusual odors, or makes strange noises, immediately stop use and contact customer support.
- Dispose of the unit according to local regulations. Do not dispose of with household waste.

Package Contents

Verify that all items are included in your package:

- FOSSiBOT F1200 Portable Power Station
- AC Charging Cable
- Car Charging Cable (MC4 to Cigarette Lighter)
- Solar Charging Cable (MC4 to XT60)
- Premium Organizer Bag
- User Manual (this document)



Image: A visual representation of the FOSSiBOT F1200 power station and its included accessories: AC charging cable, car charging cable, solar charging cable, and an organizer bag.

Product Diagram

Familiarize yourself with the various parts and ports of your FOSSiBOT F1200:



Image: Detailed diagram showing the front, back, and side views of the FOSSiBOT F1200, labeling components such as the LCD screen, USB-C/A ports, input power knob, AC input/output, cooling air ducts, and various power buttons.

Front Panel:

- **LCD Screen:** Displays input/output power, battery level, remaining charge/discharge time, and status indicators.
- **Input Power Knob:** Adjusts AC input power from 200W to 1000W.
- **USB-C Ports (PD 100W, PD 20W):** For fast charging compatible devices.
- **USB-A Ports (QC 3.0):** For charging standard USB devices.
- **Cigarette Lighter Port (12V):** For 12V DC appliances.
- **Power ON/OFF Button:** Main power switch for the unit.
- **USB ON/OFF Button:** Activates/deactivates USB output.
- **DC ON/OFF Button:** Activates/deactivates DC output.
- **LED Light Button:** Controls the integrated LED light (multiple modes).

Rear Panel:

- **AC Input:** For charging the power station via AC wall outlet.
- **Solar Input Port:** For charging via solar panels or car charger.

- **Overload Protection Button:** Resets the unit in case of overload.
- **AC Output:** Two standard AC outlets for powering appliances.
- **AC Switch:** Manually switch between 50Hz/60Hz.

Side Panel:

- **Cooling Air Ducts:** Ensures proper heat dissipation during operation.

Setup

Before first use, ensure the FOSSiBOT F1200 is fully charged. It is recommended to fully charge the unit upon receipt.

1. **Unpack:** Carefully remove the power station and all accessories from the packaging.
2. **Initial Charge:** Connect the AC charging cable to the AC input port on the rear of the unit and plug it into a wall outlet. The LCD screen will show the charging status.
3. **Power On:** Press and hold the main Power ON/OFF button for a few seconds until the LCD screen illuminates.

Charging Methods

The FOSSiBOT F1200 supports multiple charging methods:

1. AC Wall Charging (1000W Max Flash Charge)

Connect the AC charging cable to the AC input port and a wall outlet. The unit can charge from 0% to 80% in approximately 49 minutes, and fully charge in about 70 minutes. You can adjust the input power using the Input Power Knob on the front panel (200W to 1000W) to optimize charging speed or battery longevity.

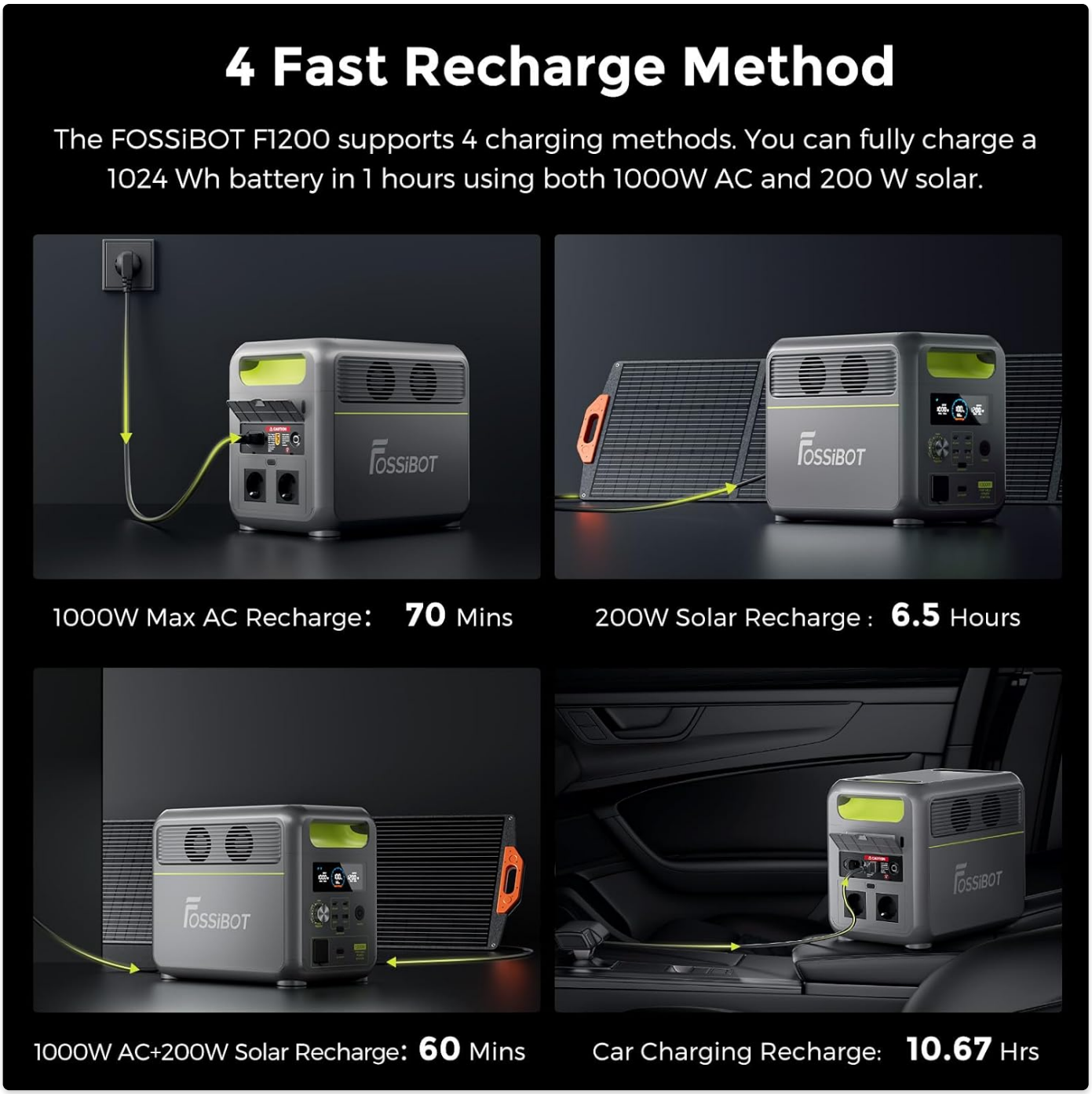


Image: Visual guide demonstrating the four fast recharge methods: 1000W Max AC Recharge, 200W Solar Recharge, 1000W AC + 200W Solar Recharge, and Car Charging Recharge.

2. Solar Charging (200W Max)

Connect compatible solar panels (not included) to the Solar Input Port using the provided MC4 to XT60 cable. Ensure the solar panel voltage is within the acceptable range (e.g., 12V-50V). Charging time will vary based on sunlight intensity and panel wattage. Simultaneous AC and solar charging is supported for faster recharge (e.g., 60 minutes for full charge with 1000W AC + 200W Solar).

3. Car Charging

Use the provided car charging cable (MC4 to Cigarette Lighter) to charge the unit from your vehicle's 12V cigarette lighter port. This method is slower but convenient for on-the-go charging.

Charging Speed Adjustment (5 Gears)

The F1200 features an adjustable input power knob (200W to 1000W) allowing you to select charging speeds. This is useful for preserving battery health by charging at a lower wattage or for faster charging when time is critical.

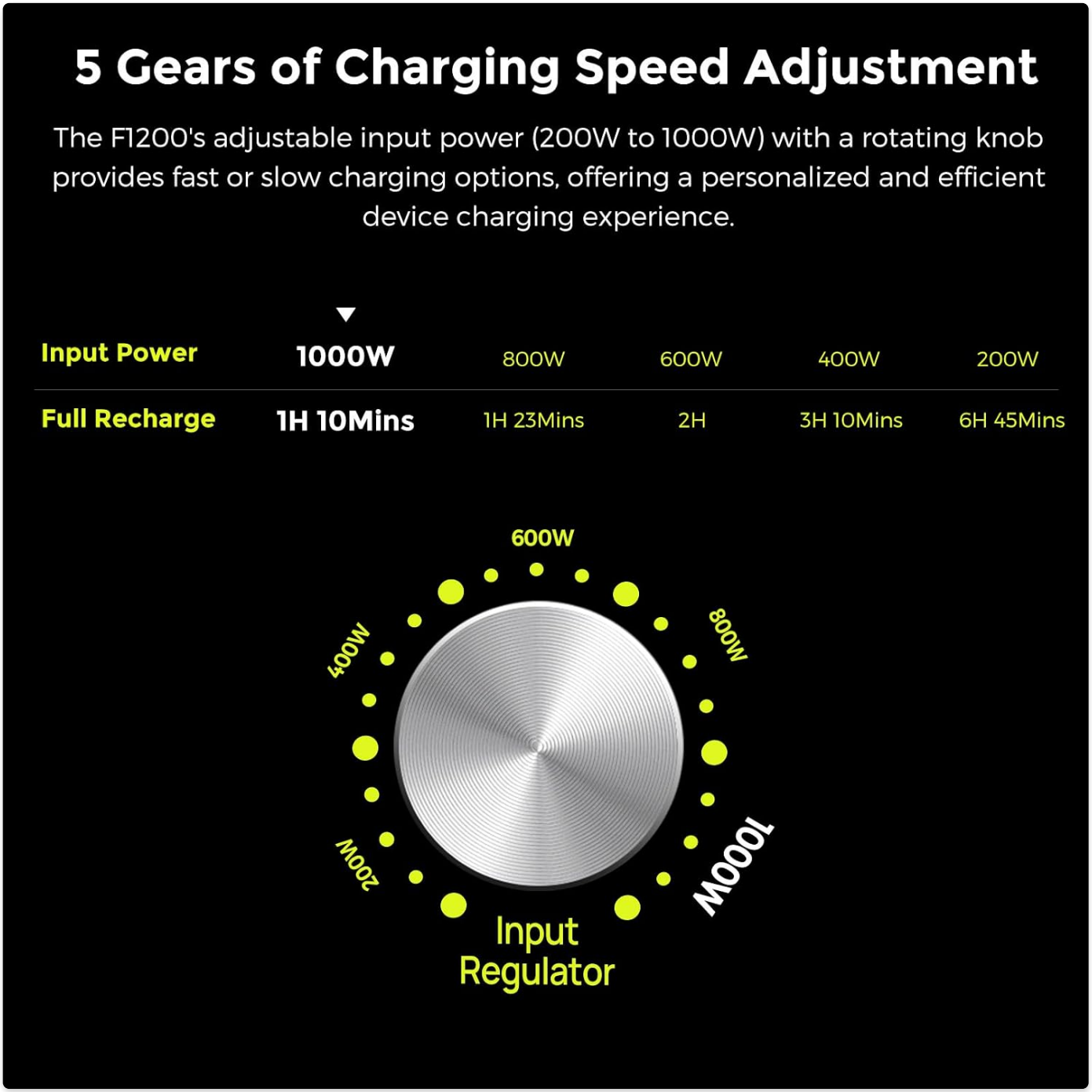


Image: A close-up of the FOSSiBOT F1200's input regulator knob, illustrating the five adjustable charging power levels (200W, 400W, 600W, 800W, 1000W) and their corresponding full recharge times.

Operating Instructions

1. Powering On/Off

Press and hold the main Power ON/OFF button for 3 seconds to turn the unit on or off. The LCD screen will light up when the unit is on.

2. Using AC Output (1200W Pure Sine Wave)

Press the AC ON/OFF button (located near the AC outlets on the rear) to activate the AC output. Plug your appliances into the AC outlets. The F1200 provides a pure sine wave output, suitable for sensitive electronics. The unit supports up to 1200W continuous output and 2400W peak power (Power Lifting mode).

Note: If the total power consumption exceeds 1200W, the unit may enter Power Lifting mode (up to 2400W for short

periods) or trigger overload protection. If overload protection is triggered, disconnect the devices and press the Overload Protection Button to reset.

3. Using DC Output (USB-A, USB-C, 12V Cigarette Lighter)

Press the DC ON/OFF button to activate the DC output ports. Plug your USB devices into the USB-A or USB-C ports, or your 12V appliances into the cigarette lighter port. The USB-C PD 100W port is ideal for laptops and other high-power USB-C devices.



Image: An illustration showing the FOSSiBOT F1200 powering various household appliances like a microwave, electric kettle, refrigerator, CPAP machine, and lights, along with their estimated run times based on the 1024Wh capacity.

4. UPS Function (<10ms Switchover)

The F1200 features an Uninterruptible Power Supply (UPS) function. When the unit is connected to an AC wall outlet and devices are plugged into its AC output, it can automatically switch to battery power within 10 milliseconds in case of a power outage. This ensures continuous operation for critical devices like CPAP machines or desktop computers.



Image: A visual representation of the FOSSiBOT F1200 acting as a UPS, providing uninterrupted power to a computer setup during a simulated power outage.

5. LED Light

Press the LED Light Button to cycle through different lighting modes: constant light, SOS mode, and strobe light. This can be useful for emergencies or general illumination.

Maintenance

Proper maintenance ensures the longevity and optimal performance of your FOSSiBOT F1200.

- **Storage:** Store the unit in a cool, dry place away from direct sunlight and extreme temperatures.
- **Battery Care:** For optimal battery life (LiFePO4 with 4000+ cycles), it is recommended to fully charge the unit every 3-6 months if not in regular use. Avoid completely draining the battery for extended periods.
- **Cleaning:** Use a soft, dry cloth to clean the exterior of the unit. Do not use abrasive cleaners or solvents. Ensure

ventilation openings are free from dust and debris.

- **Ventilation:** Always ensure adequate airflow around the unit during operation and charging to prevent overheating.

Troubleshooting

If you encounter issues with your FOSSiBOT F1200, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
Unit does not turn on.	Battery is completely drained; Power button not held long enough.	Charge the unit via AC adapter; Press and hold the Power ON/OFF button for 3 seconds.
AC output not working.	AC output not activated; Overload protection triggered; Appliance power too high.	Press the AC ON/OFF button; Press the Overload Protection Button to reset; Reduce connected load or use lower power appliances.
Unit not charging.	Charging cable loose or damaged; Input power too low; Extreme temperature.	Check cable connections; Ensure input power is sufficient (e.g., 200W minimum for AC); Move unit to a suitable temperature environment.
Abnormal noise or smell.	Internal fault.	Immediately turn off the unit and disconnect all devices. Contact customer support.

If the problem persists after trying these solutions, please contact FOSSiBOT customer support.

Specifications

Feature	Detail
Model	F1200
Battery Type	LiFePO4
Capacity	1024 Wh
AC Output (Rated)	1200 W (Pure Sine Wave)
AC Output (Peak/Power Lifting)	2400 W
USB-C Output	2 x PD (100W, 20W)
USB-A Output	2 x QC 3.0 (18W)
DC Output	1 x 12V Cigarette Lighter Port
AC Input Power	Adjustable 200W-1000W
Solar Input (Max)	200 W (12V-50V)

Feature	Detail
UPS Function	Yes (<10ms switchover)
Dimensions (L x W x H)	44 x 31 x 42 cm
Weight	11.5 kg
Operating Temperature	(Not explicitly stated, common range is 0-40°C)

Warranty and Support

The FOSSiBOT F1200 Portable Power Station comes with a 12-month extended warranty from the date of purchase. This warranty covers defects in materials and workmanship under normal use.
The warranty does not cover:

- Damage caused by misuse, abuse, accident, or negligence.
- Unauthorized repair or modification.
- Normal wear and tear.
- Damage from improper storage or operation outside specified conditions.

For warranty claims, technical support, or any questions regarding your FOSSiBOT F1200, please contact FOSSiBOT customer service through the retailer where you purchased the product or visit the official FOSSiBOT website for contact information.



Image: Various quality certifications and test reports for FOSSiBOT products, indicating adherence to international standards.

Official Product Video

Watch the official product video for a visual guide on the FOSSiBOT F1200's features and operation.

Your browser does not support the video tag.

Video: Official FOSSiBOT F1200 Portable Solar Generator overview, demonstrating its features, charging capabilities, and various applications.

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