FOSSIBOT F2400

FOSSiBOT F2400 Portable Power Station User Manual

MODEL: F2400-B

Brand: FOSSiBOT

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1. INTRODUCTION

The FOSSiBOT F2400 Portable Power Station is a versatile and robust power solution designed for various applications, including home backup, outdoor camping, traveling, and emergency power supply. Equipped with a 2048Wh LiFePO4 battery, it delivers a continuous 2400W AC output (4800W peak) and features multiple output ports to power a wide range of devices.

This manual provides essential information on the safe operation, charging, maintenance, and specifications of your FOSSiBOT F2400 Portable Power Station. Please read it thoroughly before use to ensure optimal performance and safety.

Image 1.1: Front view of the FOSSiBOT F2400 Portable Power Station, showcasing its display and various output ports.

2. SAFETY INSTRUCTIONS

To prevent injury, electric shock, fire, or damage to the unit, observe the following safety precautions:

- Do not disassemble, repair, or modify the unit.
- Keep the unit away from heat sources, open flames, and direct sunlight.
- Avoid contact with water or other liquids. Do not operate in rain or wet conditions.
- Ensure proper ventilation during use and charging. Do not block ventilation openings.
- Use only approved accessories and charging cables.
- Keep out of reach of children and pets.
- In case of fire, use a dry powder fire extinguisher. Do not use water.
- The unit features a Battery Management System (BMS) for protection against over-charge, over-discharge, over-voltage, over-current, short-circuit, and high-temperature.
- The LiFePO4 battery is known for its safety and stability.

Image 2.1: The F2400 incorporates an advanced Battery Management System (BMS) to ensure reliable and safe operation by protecting against various electrical faults.

3. PACKAGE CONTENTS

Verify that all items are included in your package:

- FOSSiBOT F2400 Portable Power Station
- AC Charging Cable
- Solar Charging Cable
- Car Charging Cable
- User Manual (this document)

Image 3.1: The standard package includes the FOSSiBOT F2400 unit, AC charging cable, solar charging cable, car charging cable, and the user manual.

4. PRODUCT OVERVIEW

4.1. Unit Layout and Ports

The FOSSiBOT F2400 is designed with a comprehensive array of input and output ports to meet diverse power needs. The unit features a robust casing with integrated handles for portability.

Image 4.1: Overview of the F2400's 16 output ports, detailing their types and locations.

- **AC Outlets (x6):** 2400W (4800W Peak), 110V/50Hz-60Hz Pure Sine Wave.
- **USB-A QC3.0 Ports (x2):** 5-12V, 18W Fast Charging.
- **USB-C Ports (x3):** 5-20V, 20W.
- **USB-C Port (x1):** 5-20V, 100W.
- **DC Outputs (x2):** 12V/3A.
- **XT-60 Output (x1):** 12V/25A.
- **Cigarette Lighter Output (x1):** 12V/10A.

4.2. Informative Display

The integrated display provides real-time information about the power station's status, including input/output wattage, battery level, and remaining usage/recharging time.
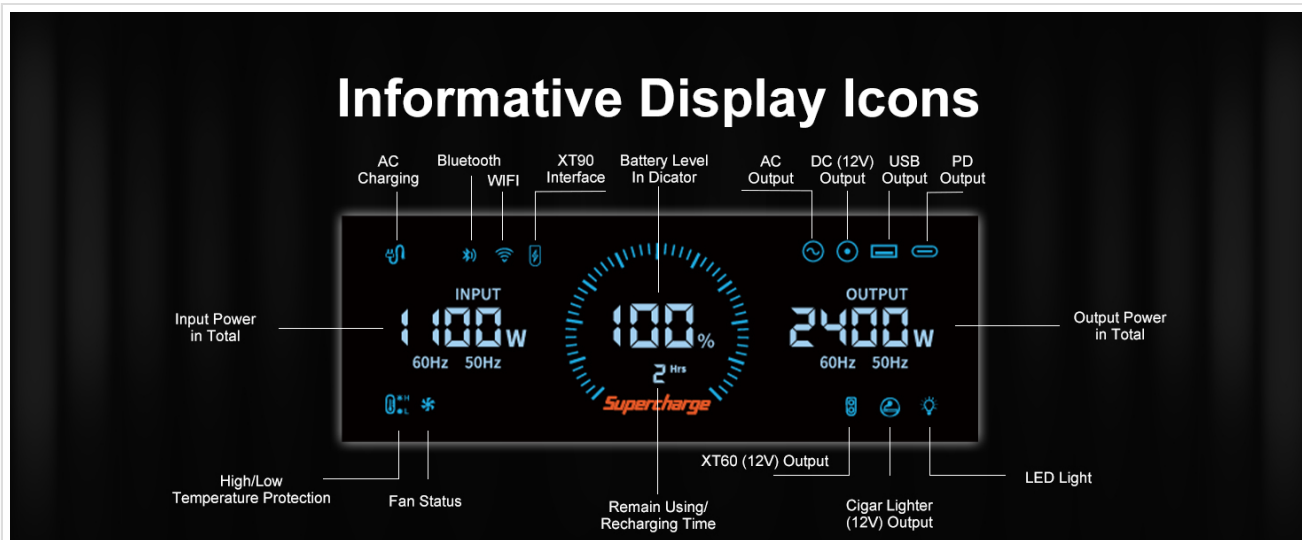
Image 4.2: The display panel provides critical operational data at a glance.

4.3. Rubber Plug Covers

The DC and USB output ports are equipped with rubber plug covers to provide dust-proof and daily life water-resistance, enhancing the unit's durability in various environments.

Image 4.3: Rubber covers protect ports from dust and moisture.

5. SETUP

Before first use, it is recommended to fully charge the FOSSiBOT F2400. Place the unit on a stable, flat surface in a well-ventilated area, away from direct sunlight or heat sources.

6. CHARGING THE F2400

The FOSSiBOT F2400 offers multiple charging methods, including AC, solar, and car charging. It supports simultaneous charging and discharging.

6.1. AC Charging

Connect the AC charging cable to the unit's AC input port and then to a standard wall outlet. The F2400 can be fully charged in approximately 2 hours using 1100W AC input.

6.2. Solar Charging

Connect compatible solar panels (sold separately) to the unit using the provided solar charging cable. The F2400 supports up to 500W solar input and can be fully charged in approximately 4 hours with optimal solar conditions.

Image 6.1: The F2400 can be charged using solar panels, ideal for off-grid use.

Image 6.2: Solar charging provides a renewable energy source for your power station.

6.3. Car Charging

Use the car charging cable to connect the F2400 to your vehicle's 12V cigarette lighter port. This method takes approximately 17 hours for a full charge.

Image 6.3: Convenient car charging for power on the move.

6.4. Fast Charging

The F2400 supports ultra-fast charging. Combining AC (1100W) and solar (500W) input can charge the unit from 0% to 80% in just 1.5 hours.

Fast Charging With in 1.5 Hrs

AC+Solar Charging (1600W)	AC Charging (1100W)	Solar Charging (400/200W)	Car Charging (120W)
1.5 Hrs	**2 Hrs**	**5/10 Hrs**	**17 Hrs**

Image 6.4: The F2400 can be charged rapidly using a combination of AC and solar power.

ADJUSTABLE INPUT POWER KNOB

F2400 specially designed a rotating knob for adjusting the input power from 300W to 1100W, which decides the recharging speed. When the voltage is too low, you can also charge the machine by decreasing input power.

700W
500W
900W
300W
1100W
INPUT
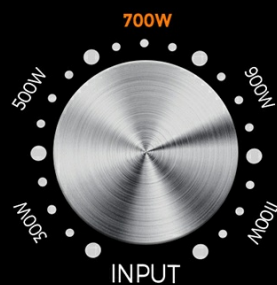
1100W : 2H

900W: 2H 40min

700W: 3H 20min

500W: 4H 30min

300W: 7H

Image 6.5: The adjustable input power knob allows users to control charging speed, useful in varying voltage conditions.

7. OPERATING THE F2400

7.1. Powering On/Off

Press and hold the main power button to turn the unit on or off. The display will illuminate, indicating the unit is ready for use.

7.2. Using Output Ports

To use a specific output type (AC, DC, USB), press the corresponding ON/OFF button for that section. The indicator light for that section will turn on. Connect your devices to the appropriate ports.
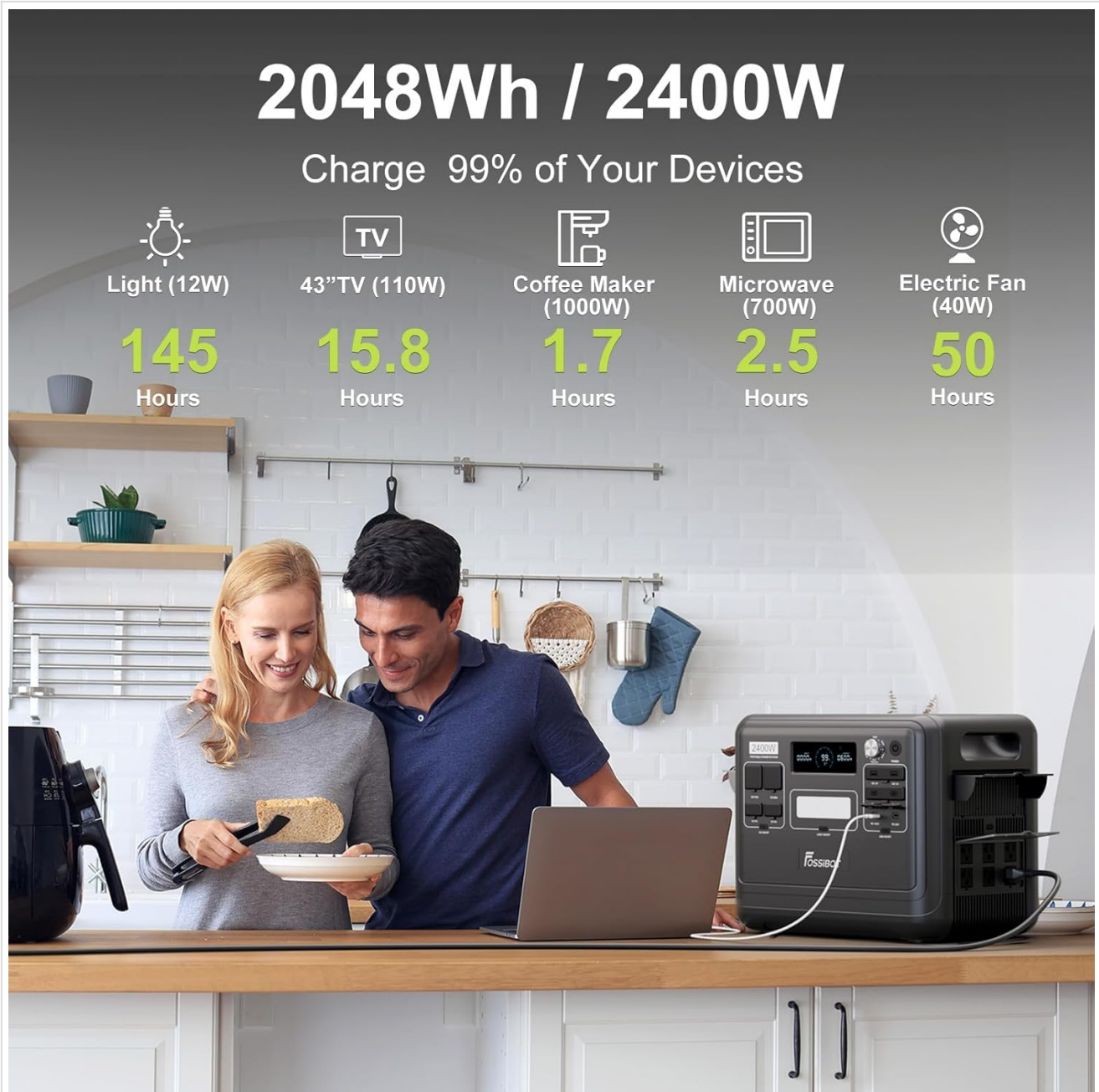
Image 7.1: The F2400 can power various household appliances.

7.3. Uninterruptible Power Supply (UPS) Function

When the F2400 is connected to an AC wall outlet and has devices plugged into its AC outputs, it can function as an Uninterruptible Power Supply. In case of a power outage, the unit will automatically switch to battery power within 8 milliseconds, providing continuous power to connected devices.

Image 7.2: The UPS function ensures uninterrupted power for critical devices like computers and security cameras.

7.4. LED Lighting

The F2400 includes built-in LED lighting with multiple modes: All Bright, SOS, and Strobe. Press the light button to cycle through these modes. This feature is useful for emergencies or outdoor illumination.

Image 7.3: The integrated LED light provides illumination for various situations.

8. APP CONTROL

The FOSSiBOT F2400 can be controlled remotely via a dedicated smartphone application. Connect your F2400 to your phone via Bluetooth or Wi-Fi to monitor status, control ports, set charging schedules, and perform remote shutdowns.

Download the app from: https://app.sydpower.com/

Image 8.1: Control your F2400 conveniently from your smartphone.

9. MAINTENANCE

9.1. Cleaning

Wipe the unit with a dry, soft cloth. Do not use abrasive cleaners or solvents. Ensure all ports are dry before use.

9.2. Storage

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

9.3. Battery Longevity

The F2400 uses a LiFePO4 battery, offering over 4000 full charge cycles, which translates to a lifespan of approximately 10 years with regular use.
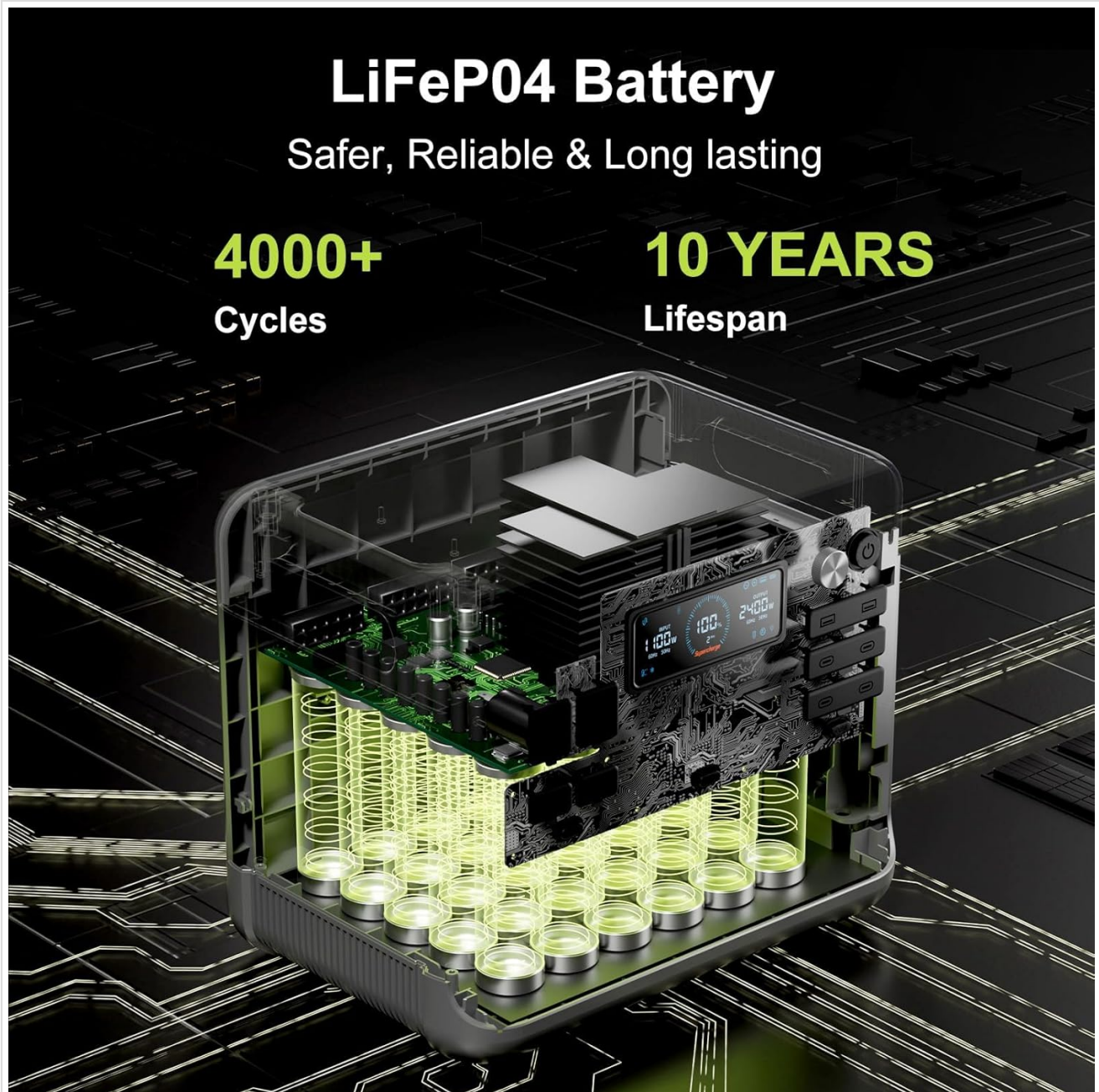
Image 9.1: The LiFePO4 battery ensures long-term reliability and safety.

10. TROUBLESHOOTING

- **Unit not turning on:** Ensure the battery is charged. If not, connect to a power source.
- **No output from ports:** Press the corresponding ON/OFF button for the output section you wish to use. Check if the device is properly connected and within the power station's wattage limits.
- **Overload warning:** If an overload occurs, the unit will automatically shut down. Disconnect the overloaded device and restart the power station. Use devices within the specified wattage.
- **Charging issues:** Verify that charging cables are securely connected. For solar charging, ensure panels are in direct sunlight and correctly oriented.

11. SPECIFICATIONS

Feature	Specification
Model	F2400-b
Battery Type	LiFePO4
Capacity	2048Wh
AC Output Power	2400W (4800W Peak)
AC Output Voltage	110V/50Hz-60Hz (Pure Sine Wave)
USB-A QC3.0 Output	2 x 18W
USB-C Output	3 x 20W, 1 x 100W
DC Output	2 x 12V/3A
XT-60 Output	1 x 12V/25A
Cigarette Lighter Output	1 x 12V/10A
AC Input Power	1100W Max
Solar Input Power	500W Max
Charging Time (AC)	Approx. 2 hours
Charging Time (Solar)	Approx. 4 hours (500W solar)
Charging Time (Car)	Approx. 17 hours
Dimensions (L x W x H)	11.2" x 12.6" x 15.2" (28.4cm x 32cm x 38.6cm)
Weight	48.5 lbs (22 kg)
UPS Switchover Time	< 8ms

Image 11.1: Physical dimensions of the FOSSiBOT F2400.
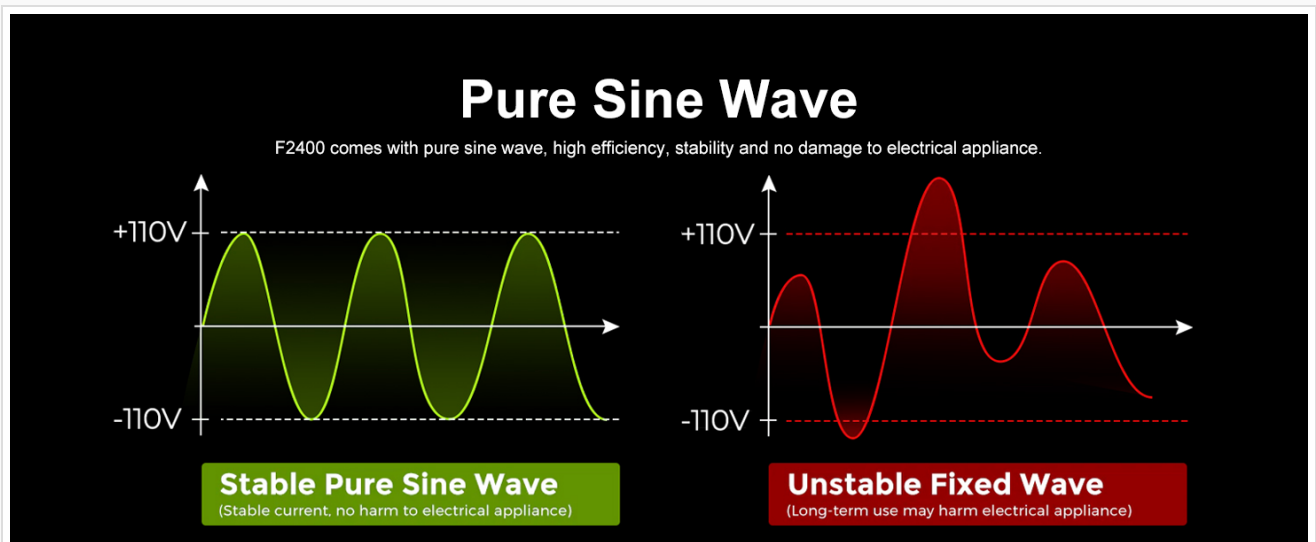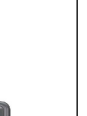
Image 11.2: The F2400 provides a stable pure sine wave output, safe for sensitive electronics.

12. WARRANTY AND SUPPORT

The FOSSiBOT F2400 Portable Power Station comes with a **5-year warranty** from the date of purchase. This warranty covers defects in materials and workmanship under normal use.

For technical support, warranty claims, or any inquiries, please contact FOSSiBOT customer service through the official website or your point of purchase. Please have your model number (F2400-b) and purchase information ready.

Related Documents - F2400

[FOSSIBOT F2400 Portable Power Station User Manual](#)
User manual for the FOSSIBOT F2400 portable power station, detailing its features, operation, safety precautions, and specifications. Learn about its 2400W output, 2048Wh capacity, fast charging, and solar capabilities.

[Fossibot F2400 Portable Power Station User Manual](#)
User manual for the Fossibot F2400 portable power station, detailing its features, specifications, operation, charging methods, and safety precautions. Features 2400W output, 2048Wh LiFePO4 battery, and fast charging.

[Fossibot F2400 Portable Power Station User Manual](#)
User manual for the Fossibot F2400, a 2400W high-power portable power station with 2048Wh capacity. Learn about its features, operation, charging methods, and safety precautions.

[Fossibot F2400 Portable Power Station User Manual](#)

Comprehensive user manual for the Fossibot F2400 portable power station, detailing its features, specifications, operation, safety guidelines, and maintenance. This 2400W, 2048Wh power station is suitable for various applications.
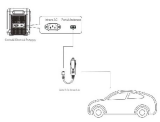
Încărcarea Mașinii

Utilizarea capacelor ventilatorului

Specificațiile Produsului

Nume Produs	Centrală Electrică Portabilă F2400
Dimensiune	L * l * H (566x343x391) mm
Greutate	32, 3 kg
Capacitate	2048Wh
Putere AC	Unda sinusoidală, Tensiune nominală 1500W 230V/240V
MPPT Input	Tensiune 12V-30V, Curent maxim 8A / 20A
Ieșire AC	6x 150 W (Continuous), curent 4000W, ieșire comună Putere de vârf 4000W, Tensiune 230V/240V
Protecția La Supracurent	1500Ws, 10 minute; 4000w, instalare
Protecția La Scurtcircuit	Da
Protecția împotriva Temperaturii	65s
USB QC3.0	18V * 2
Tip C	Tip-C PD(18W) * 2
dc max	Tip-C PD(100W) * 1
DC 5521	12V / 24V, supraveche: >=36V, 2x
Ieșire Xt-60	12V / 24V, supraveche: >=36V, 2x
Port Grindă	12V / 24V supraveche: >=36V, 2x
Curent Ieșire Ieșire	< 100 = t
Temperatura De Funcționare	0-45 C (32-104 DF)
Temperatura De Încărcare	10-45 C / -4-104 DF)
Temperatura De Depozitare	10-45 C / 4-104 DF)
Umiditatea Mediului	<90% RH
Timp Ciclului	> 3500 Sri

Specificațiile Bateriei

Tipul bateriei	NTES LiFePo4
Tensiunea nominală a bateriei	52 V
Capacitatea nominală a bateriei	20Ah
Tensiunea minimă a bateriei	7.5 V
Curent de limitare de bază a curentului bateriei	52.54? 8 V
Capacitatea nominală a bateriei	2048Wh

Depanare

Eroare	în explicație	Metode de corecție

Întrebări Și Răspunsuri

1. De ce echipamentul meu nu poate fi folosit atunci când puterea este în norice gama de putere nominală a orderului?
R: puterea produsului este radarată la trebaie reînstarată.

2. De ce este un zgomot la blocul utilizat?
R: zgomotul provine de la ventilator sau roita atunci când dispozitivul este pornit sau în timpul utilizării.

3. Este normal ca cablul de încărcare să se încălzească în timpul utilizării?
R: Da, este normal. Cablul respectă siguranța națională standardele și are certificatele corespondente.

4. Ce fel de baterie folosim în acest produs?
R: tipul bateriei este folosit ce litiu-fier.

5. Ce dispozitive poate suporta produsul prin ieșirea AC?
Respiul AC are nominală până 2400W, este dispozitiv putere nominalea aparatelor de calent nu o putere nominală mai mica ce 2400W se cugin să nă aisgură că aceste toală să sunet atomică este mai mult de 2400W înainte de utilizare.

6. Cum putem și timpul rămas?
R: Vă rugăm să verificați cablele de pe ecran, timpul ce utilizare rămas va fi afișat când alimentarea este permisă.

7. Cum putem confirma că produsul se încarcă?
R: în timp ce produsul se încarcă, ecranul produsului va afișa puterea de intrare când indicatorul de alimentare clipește.

8. Cum ar trebui să curăfám produsul?
R: Vă garantăm ă stator cu se aripei cusč, cuate curt pentru a respoprodus.

9. Cum ar păstrat?
R: Vă rugăm să nară produsul a să fizored într-un mediu uscat. Feize nu depoziț produsul lungă apa. Pentru depozitarea pe termen lang, vă recomandăm să utilizaț produsul in fiecare trei luni (mai intâi exceptă puterea rămasă și încărcaț-o la procentul dură, de exemplu 80%).

10. Putem lua acest produs în avion?
R: nu, din calcule nu.

11. E puterea rurală de ieșire a produsului se potrivește cu fința putere specificată în mercatiol de obține?
R: capacitatea specificată in manual de utilizare este capacitatea nominală a bateriei acestui produs. Deoarece acest produs are o cruciat eficientă pierderea în timpul încărcări și descărcări, capacitatea reală de ieșire a produsului este mai mică decât capacitatea specificată în Utilizator manuaul.

12. ? se poate încărca și descărca în acalași timp?
R: Da, F2400 acceptă.

13. ? mi pota rul fripter, aparatul ce air coolaberă pentru ?eszit sau putcos cănt?
R: cuprda de pierea și potaria ce prntru AC asabal putene ce sopie este ce 2400W, putene ce vărf este ce 4000W, atăta timp cât putene nominală a tutuit ce, este sub 2400W și putene ce porrire sub 4000W, F2400 mode alimenta pentru ar. Unele ceres grate ce pateri cuccela ce putere ce pornire ce 6-7 cri mai mare cecat cea nominală, eper ce supratindicat ce F2400.

14. ? Pot fi asociate două F2400 pentru a beneficie de ieșire mai mare, putere și capacitate?
R: Nu.

15. ? F2400 poate fi conectat la vreus intervuatoarele de vseeas?
R: Nu.

16. ? De ce ecranul afișează o ieșire de 8 waţi când conectez un aparatmins, ce o lampă LED de 36V?
R: conectă este mic mic pentru a fi celcuat cu precizie atunci când conectat la vari-e reduse.

17. ? cănd vor începe să ruleze tans?
A: Temperatura bateriei 30 de C, ventilator de pornir, vănt slab. Temperatura bateriei 35 de C. Vănt puternic. Temperatura bateriei 55 C(incărcare), protecția la temperatura ridicată-fren recălculare, încercase se reprote. Temperatura bateriei 60 de c (descărcare), temperatură ridicată protecție se activeză, descărcarea se oprește.

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FOSSiBOT F2400 Portable Power Station User Manual | Specs, Features, and Troubleshooting
Comprehensive user manual for the FOSSiBOT F2400 Portable Power Station. Learn about its features, specifications, charging methods (AC, solar, car), UPS mode, troubleshooting, and warranty.