

BP2400

SMART Mobile Power
Portable Power Station

2662Wh
2400W



CHARGE IT
1800W Max.



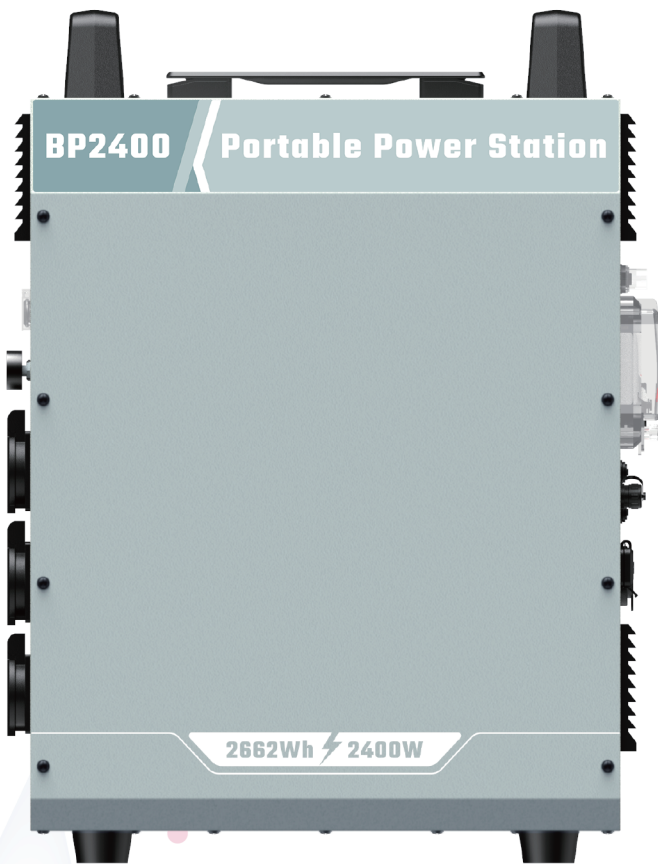
Wall Outlet



Solar Panel

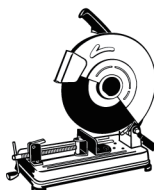
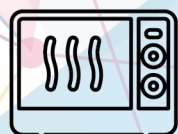


DC charging
(Optional)



Gen-mate
inside

POWER ALL
2400W Max.



PRODUCT INTRODUCTION

With the BP2400 portable power station, you can enjoy a safe, reliable, and hassle-free power supply in any situation. Delivering a continuous output of up to 2400W and featuring a built-in 2662Wh LiFePO₄ battery, it easily meets the power demands of household appliances such as refrigerators, washing machines, microwaves, as well as various power tools. Equipped with a built-in bidirectional inverter, it supports fast charging via AC power, solar panels, and a smart generator, allowing you to charge up to 100% in just 1.5 hours anytime, anywhere. The integrated auto-start/stop controller enables quick setup of a small-scale hybrid energy system with a generator, facilitating complementary power supply from solar and generator sources. The charging system supports real-time power adjustment to meet the needs of professional users. It features a built-in 1200W MPPT controller, making it compatible with various portable solar panels for rapid charging. With a switching time of less than 10ms between AC power and battery, it can also serve as an uninterruptible power supply (UPS). The unit boasts an IP53-rated metal housing, with a fully enclosed battery pack rated at IP66 for enhanced protection, and a built-in automatic fire suppression system, ensuring safe and stable operation even in harsh environments. Its portable design includes wheels and telescopic handle for effortless transport. The BP2400 is equipped with an intelligent wireless monitoring system, allowing remote startup or shutdown of the power station via a mobile app, as well as real-time monitoring of operating parameters. Whether used as a mobile power source for fieldwork, outdoor work, and disaster relief, as a portable power supply for outdoor living and travel, or as an all-in-one solar energy storage system for the home, the BP2400 helps you break free from the constraints of the grid and enjoy complete power freedom in any scenario!

PRODUCT ADVANTAGES

- Built in 2662Wh LiFePO₄ battery with professional solar bidirectional inverter, support for 2.4kW output and 1.8kW charging.
- Support various fast charging methods such as utility, solar and smart generator.
- Built in MPPT controller, support for 1200W solar charging.
- Built in ATS controller, which can quickly build a small hybrid power system with the generator.
- The charging power is adjustable in real-time, adapting to different charging conditions.
- Unit IP53 and Battery Pack IP66 protection grade.
- Metal enclosure with integrated auto-extinguishing device – ultimate safety design.
- Standard with UPS function, transfer time between utility and battery less than 10ms.
- Portable design with large rollers.
- The intelligent control and monitor by smartphone APP.
- Conformed to EU and US security certification.
- Better quality with 5 years warranty.

BP2400 SPECIFICATIONS



UN
38.3



Model	BP2400
Dimensions/Weight	411X223X535mm / 36kg, Without Wheels or Telescopic Handle 477X305X552mm / 39kg, With Wheels & Telescopic Handle
Battery	LiFePO ₄ , 2662Wh, 52Ah(51.2V), 5000 cycles to 80%+capacity
Operating Temperature	Discharging Temperature: -20℃~50℃, Charging Temperature: 0℃~45℃
Transfer Time	≤10ms
Interactive Interface	LCD Panel / APP
Optional Function	Wheels & Telescopic Handle
Protection Grade	Unit IP53 / Battery Pack IP66

OUTPUT

AC Output (10/16A×5)	Rated Power	2400W / VA
	Peak Power	4800W / VA
	Output Waveform	Pure-Sine Wave, THD<3%
	Rated Voltage	100/110/120V, 220/230/240V
DC Output	Rated Frequency	50/60Hz
	Cigarette Lighter Port(×1)	12V/10A
	5521 Port(×4)	12V/3A
USB Output	USB(×2)	5V/3.1A
	QC3.0(×1)	QC3.0(5V/3.4A, 9V/2A, 12V/1.5A)
	Type-C(×1)	PD60W(5V/3A, 9V/3A, 12V/3A, 15V/3A, 20V/3A)

CHARGING INPUT

AC	Wall Outlet & AC Generator	Max. 1800W, 1.5 hours fully charged
Solar	MPPT Control System	12~75VDC, 25A MAX, Max. 1200W, 2.5 hours fully charged
		12~105VDC, 25A MAX, Max. 1200W, 2.5 hours fully charged
DC(optional)	Car Cigarette Lighter Port	12~30V, 8A MAX, Max. 200W, 14 hours fully charged

ADD-ONS(Sold Separately)

SE2000IE Smart Inverter Generator	100~240VAC, Max. 2.1kW
DSF/DS Series Solar Panels	41V/82V, Max. 1200W



Suzhou DriveLong intelligence Technology Co., Ltd.

Add: No.59,Zoumatang Road,Mudu Town,Wuzhong Dist,Suzhou,China

Tel: +86 0512-66279658 <http://www.drlit.com>