



2400W Portable Energy Storage Power ES-S2200 series



■ Features

- Built-in UPS function (AC by-pass)
- Pure sine wave output (THD<3%)
- Bi-directional inverter technology
- Intelligent APP control
- BMS charge and discharge protection mode
- Intelligent temperature control cooling fan
- AC/vehicle/solar charging methods
- Automotive-grade lithium iron phosphate blade battery
- Intelligent digital display screen
- Protections :OVP/UVP/OLP/OCP/OTP/UTP etc
- 3-year warranty

■ Applications

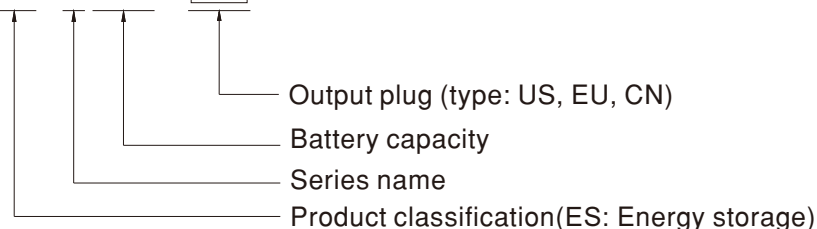
- Outdoor camping
- Automotive rescue
- Outdoor live streaming
- Mobile office
- Emergency power outage
- Street vending power

■ Description

ES-S2200 is a 2400W portable energy storage station supply, with 2240Wh battery capacity, using lithium iron phosphate blade cell, equipped with USB, DC, AC, automotive cigarette lighter and other common power output interfaces. It can provide stable and reliable power support for laptops, drones, photography lights, projectors, electric fans, kettles and cars. With solar panel charging, mains charging, vehicle charging and other charging methods, the use of more flexible and convenient. It is suitable for outdoor camping, outdoor live broadcast, outdoor construction, location shooting, family emergency electricity and other scenes with high power consumption.

■ Model Encoding

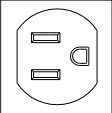
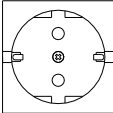
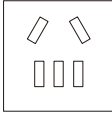
ES - S2200 - EU



SPECIFICATION

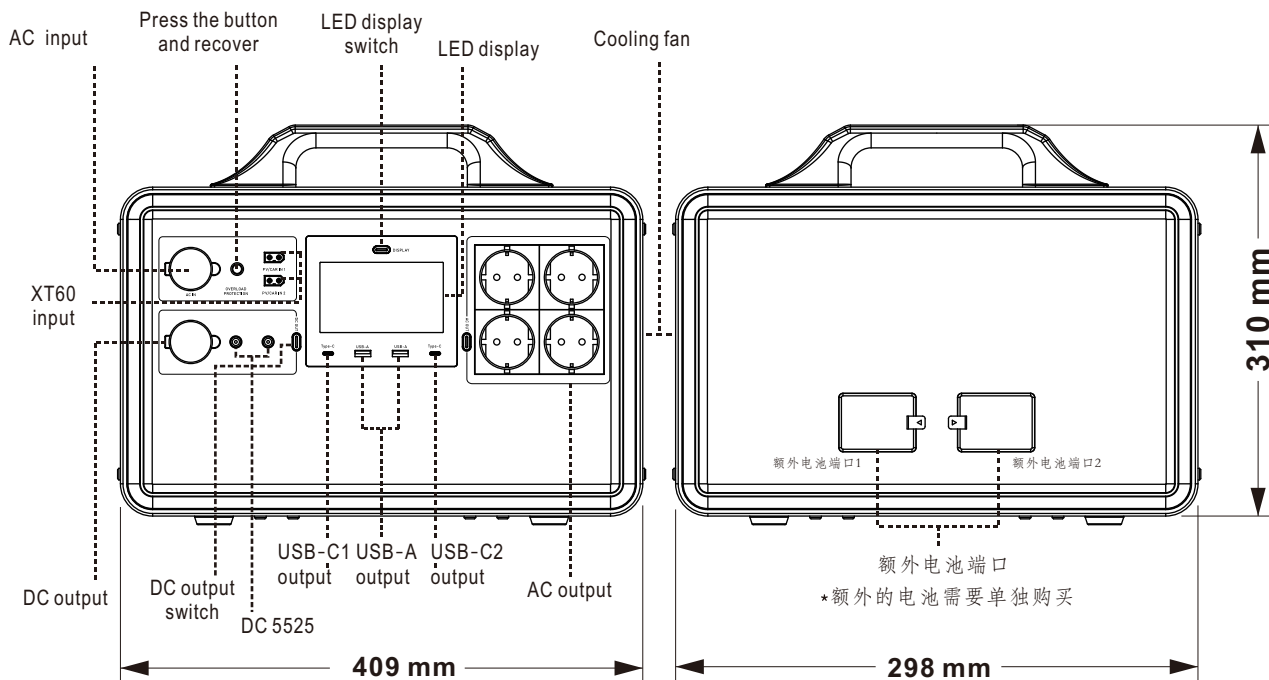
MODEL		ES-S2200- ☐				
		☐ =CN		☐ =EU		
				☐ =US		
BATTERY	CAPACITY		2240Wh			
	CELL CHEMISTRY		LiFePO4			
	SINGLE CELL CAPACITY		50Ah@3.2V/pcs			
	LIFECYCLE		4000+(Post-cycle capacity ≥80%)			
	BATTERY MANAGEMENT SYSTEM		OVP/UVLP/OLP/OC/OTP/UTP etc			
	SOLAR CHARGING SYSTEM		MPPT Charge controller			
INPUT	AC (2000W max.)	VOLTAGE	200~240V	200~240V	100~120V(max. 1500W)	
		CURRENT	10A		12.5A	
		FREQUENCY	50Hz	50Hz	60Hz	
	DC (2*600W max.)	VOLTAGE	12~59V			
		CURRENT	14A			
OUTPUT	AC	RATED POWER	2400W max	2400W max	2000W max	
		VOLTAGE	230V@50HZ	230V@50HZ	120V@60HZ	
		AC REGULATION	± 10%			
		UPS SWITCHING TIME	20ms			
		WAVEFORM	Pure sine wave(THD≤3%)			
	USB-C1 (100W max.)	DC	PD3.0, 5V/3A, 9V/3A, 12V/3A, 15V/3A, 20V/5A			
		RIPPLE	200mV			
		LOAD REGULATION	± 5%			
	USB-C2 (45W max.)	DC	PD3.0, 5V/3A, 9V/3A, 12V/3A, 15V/3A, 20V/2.25A			
		RIPPLE	200mV			
		LOAD REGULATION	± 5%			
	2*USB-A (18W max.)	DC	QC3.0, 5V/3A, 9V/2A, 12V/1.5A			
		RIPPLE	200mV			
		LOAD REGULATION	± 5%			
	DC5525/ VEHICLE (120W max.)	DC	12V/10A			
		RIPPLE	300mV			
		LOAD REGULATION	± 20%			
	TOTAL POWER		2400W		2000W	
	PEAK POWER		4800W/300ms		4000W/300ms	
	SAFETY & EMC	SAFETY STANDARDS		IEC 62368-1:2018;EN 62477-1;IEC 62477-1:2012+AMD1:2016 approved		
		EMC EMISSION	Parameter	Standard	Test Level / Note	
Conducted emission			EN55032:2015+A11+A1,EN301 489-1 V2.2.3:2019		Class A	
Radiated emission			EN55032:2015+A11+A1,EN301 489-1 V2.2.3:2019		Class A	
Harmonic current			EN301 489-1 V2.2.3:2019,IEC61000-3-2:2014		Class A	
Voltage flicker			EN301 489-1 V2.2.3:2019,IEC61000-3-3:2013		Clause 5	
EMC IMMUNITY		Parameter	Standard	Test Level / Note		
		ESD	EN 301 489-1 V2.2.3:2019,EN 61000-4-2:2009		Level 3,8KV air; level2: 4KV contact	
		RS	EN 301 489-1 V2.2.3:2019,EN 61000-4-3:2006+A1+A2		Level 2	
		EFT	EN 301 489-1 V2.2.3:2019,EN 61000-4-4: 2012		Level 2,1KV	
		Surge	EN 301 489-1 V2.2.3:2019,EN 61000-4-5: 2006		Level 3,1KV/Line-Line 2KV/Line-Earth	
		Conducted	EN 301 489-1 V2.2.3:2019,EN 61000-4-6: 2009		Level 2	
		Magnetic Field	EN 61000-4-3:2006+A1+A2,EN 301 489-1 V2.2.3:2019		Level 2	
		Voltage Dips and Interruptions	EN 301 489-17 V3.2.4:2020,EN 55035:2017+A11		>0% dip 0.5 periods, 70% dip 25 periods, >0% interruptions 250 periods	
OTHERS		DISPLAY	Mobile APP/TFT display			
	STORAGE TEMP.	-10℃~45℃				
	WORKING TEMP.	Charge:0℃~40℃ Discharge:-10℃~45℃				
	MATERIAL	ABS+PC/Metal				
	WEIGHT	22.5kg				
	DIMENSION	409*298*310mm				
NOTE	1.All parameters not specified above are measured at rated load , 25℃ of temperature. 2.Load regulation is measured from 0% to 100% rated load. 3.Ripple are measured at 20MHz by using a 12" twisted pair terminated with a 0.1uF & 47uF parallel capacitor. ※ Product Liability Disclaimer : For detailed information ,please refer to https://www.meanwell.com/serviceDisclaimer.aspx					

■ AC Output Socket

MODEL NO.	ES-S2200-□		
Socket type			
	TYPE-US	TYPE-EU	TYPE-CN
	In Stock	In Stock	In Stock
Country	USA	EUROPE	CHINA
Certificate	---	CE	---

■ Mechanism Dimension and Panel Introduction

(unit: mm, tolerance: ± 1 mm)



■ APP Download and Instructions

Power Zero can connect all your devices via Bluetooth or wi-fi to track your energy use and production in real time, dynamically display the status data of the device in real time.

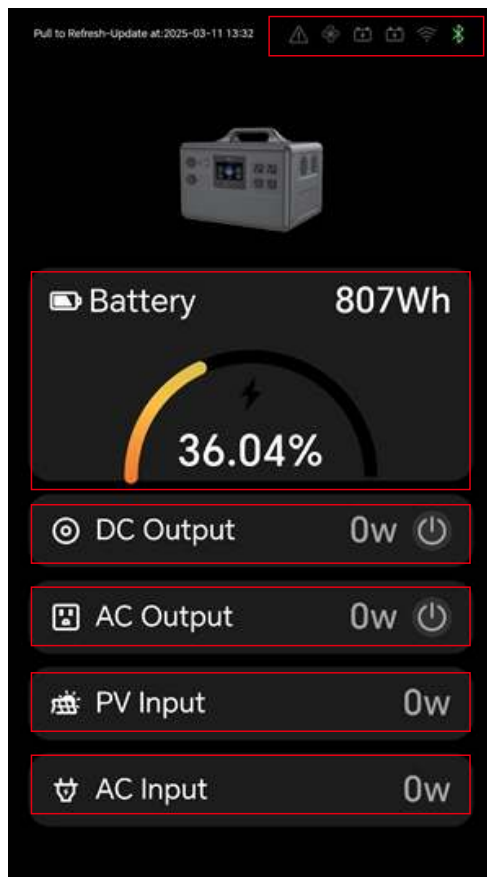
1. Software installed

Scan the QR code and install the opened app on your smartphone.



This software could be operated on mobile phones with Android 6.0 and IOS12.0 or above, refer to the user manual for details

2. Equipment home page



→ Display of product alarm, fan, Wi-Fi, and Bluetooth status

→ Battery remaining power and percentage

→ DC output power display and ON/OFF control

→ AC output power display and ON/OFF control

→ PV output power display

→ AC input power display

■ CHARGING MODE



■ TYPICAL APPLICATIONS



Outdoor Camping



Live Streaming



Power Outage



Drone Filming



Roadside Assistance



Remote Working



Market Stalls



2400W Portable Energy Storage Power **ES-S2200** series

■ Duration Reference



94_h

LED Camping Lamp(18W)



8_h

50 inch TV(110W)



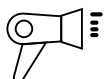
7_h

Refrigerator(110W)



1.5_h

Washing machine(1500W)



0.5_h

Hair drier(2200W)



0.6_h

Airfryer(2000W)



88_{times}

Phone(3300mAh)



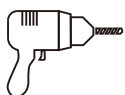
16_{times}

Laptop(10000mWh)



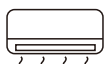
12_h

Projector(150W)



0.8_h

Electric Drill(1600W)



0.5_h

Air Conditioner(2200W)



1.8_h

Wall breaking machine(800W)

■ Accessory List

※ Standard accessories

	ES-S2200-CN	ES-S2200-EU	ES-S2200-US
AC power cord			
Manual			

※ Optional accessories (Need to be ordered separately)

MW's Order NO.	Item
PSWG-ES-CAR CHARGER	
PFF5USB3.2C10G5A1M	