



1800W Portable Energy Storage Power ES-S1000 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

■ Global Trade Item Identifier

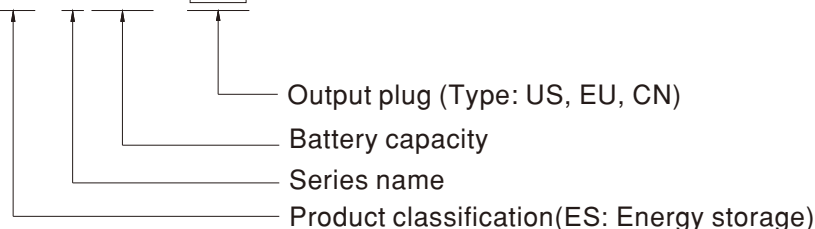
- MW Search: <http://www.meanwell.com.cn/serviceGTIN.aspx>

■ Description

ES-S1000 is a 1800W portable energy storage power station, with 1030Wh 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 - S1000 - US





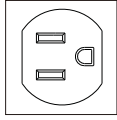
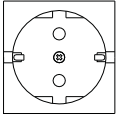
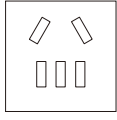



1800W Portable Energy Storage Power

ES-S1000 series

Specification		ES-S1000- <input type="checkbox"/>		
		<input type="checkbox"/> =CN	<input type="checkbox"/> =EU	<input type="checkbox"/> =US
BATTERY				
CAPACITY		1030Wh		
CELL CHEMISTRY		LiFePO ₄		
SINGLE CELL CAPACITY		23Ah@3.2V/pcs		
LIFE CYCLE		4000+(Post-cycle capacity≥80%)		
BATTERY MANAGEMENT SYSTEM		OVP/UVP/OLP/OCP/OTP/UTP etc		
SOLAR CHARGING SYSTEM		MPPT Charge controller		
INPUT				
AC (1200W max.)	VOLTAGE	200~240V	200~240V	100~120V(max.1000W)
	CURRENT	5.2A		11A
	FREQUENCY	50Hz	50Hz	60Hz
DC (800W max.)	VOLTAGE	12~59V		
	CURRENT	15A		
OUTPUT				
AC	RATED POWER	1800W max		1200W 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		2000W		1400W
PEAK POWER		3600W/300ms		2400W/300ms
SAFETY & EMC				
SAFETY STANDARDS		IEC 62368-1:2018;EN 62477-1;IEC 62477-1:2012+AMD1:2016 ;CCC GB 4943.1-2022.GB 31241-2022;BSMI CNS14843-1; CNS14757-2 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°C~45°C		
WORKING TEMP.		Charge:0°C~40°C	Discharge:-10°C~45°C	
MATERIAL		ABS+PC/Metal		
WEIGHT		12.5kg		
DIMENSION		340*220*258mm		
NOTE				
1.All parameters not specified above are measured at rated load , 25°C 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. 4.When the device is simultaneously performing AC charging and AC discharging, the bypass function will be automatically enabled. ※ Product Liability Disclaimer : For detailed information ,please refer to https://www.meanwell.com/serviceDisclaimer.aspx				

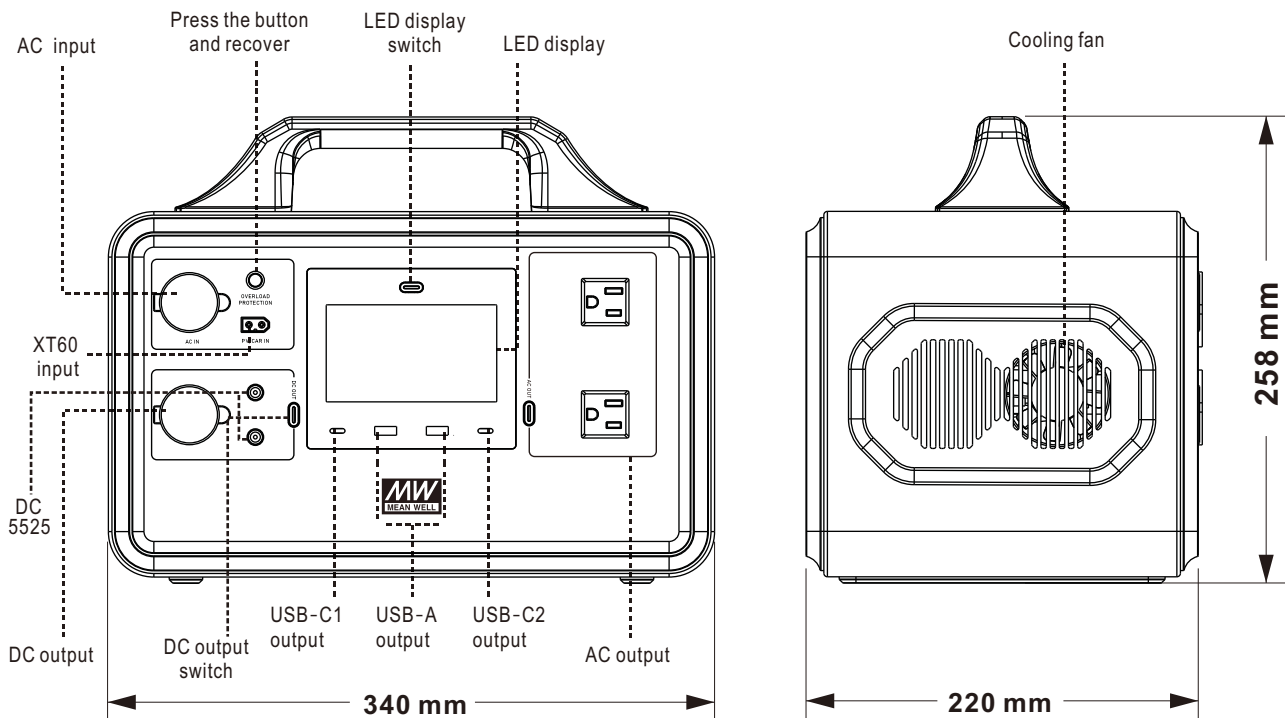


■ AC Output Socket

MODEL NO.	ES-S1000-□		
Socket type			
	TYPE-US	TYPE-EU	TYPE-CN
	In Stock	In Stock	In Stock
Applicable Area	USA, Taiwan Region	EUROPE	CHINA
Certificate			

■ Mechanism Dimension and Panel Introduction

(unit: mm, tolerance: ± 1mm)



■ APP Download and Instructions

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

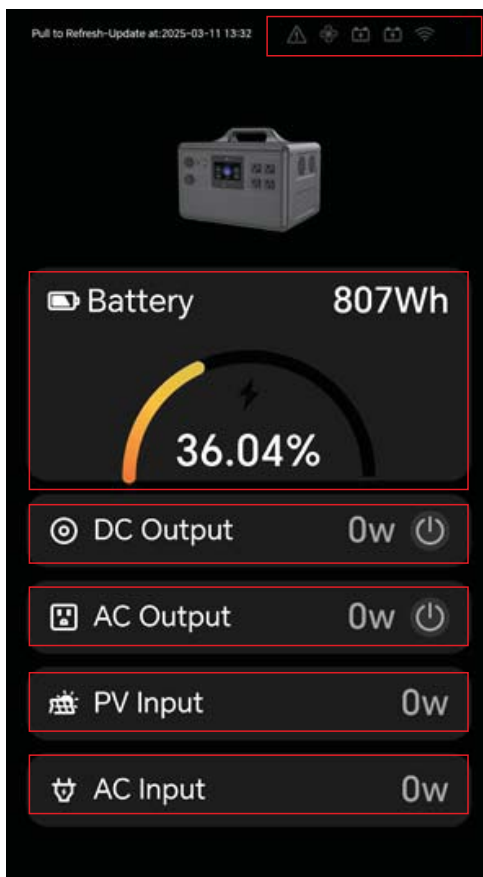
1. Software installed

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 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

■ Duration Reference

■ AC Output



82 h

LED Camping Lamp(10W)



82 keer

DSLR Camera(10Wh)



18 keer

Notebook (45Wh)



3.2 h

Wall breaking machine(250W)



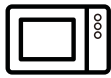
1.3 h

Rice Cooker(600W)



16 keer

Consumer Drone(50Wh)



0.82 h

Electric Oven(1000W)



27 h

Table Fan(30W)



10.3 h

50 inch TV(80W)



1 h

Electric Drill(800W)



1 h

Hair Drier(800W)



10.3 h

Projector(80W)

■ USB Output



72 keer

Phone(3095mAh)



50 keer

Nintendo Game Console(4310mAh)



28 keer

11 inch Pad(28.65Wh)

■ Car Charger Output



16.4h

Car Refrigerator(50W)

■ Accessory List

※ Standard accessories

	ES-S1000-CN	ES-S1000-EU	ES-S1000-US
AC power cord			
Manual			

※ Optional accessories (Need to be ordered separately)

MW's Order NO.	Item	Description
PSWG-ES-CAR CHARGER		Cigarette Lighter to XT60 Charging Cable
PFF5USB3.2C10G5A1M		Type-C Fast Charging Cable
PSWG-PV-PFSP200		200W Foldable Solar Panel