


# Portable Power Station simple version of the specification

## AP1000 Parameters



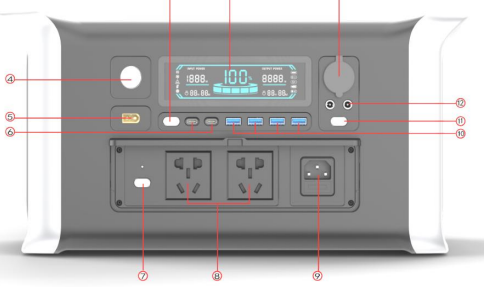
**Product introduction**

AP1000 is a high-end portable energy storage power supply with built-in A-grade battery, the continuation of fanless design technology, compatible with utility and solar power and car and other power sources to charge the machine, AC output, DC,TYPE-C, USB, LED and other functions, through a reliable BMS perfect protection of the battery, and advanced digital algorithms, with high corresponding, high reliability, long life, lightweight and other characteristics.

**Performance characteristics**

- \* Adopting unique thermal management design patent, the product has better environmental compatibility and tolerance.
- \* New A0 grade battery with long cycle life and high reliability.
- \* Built-in high frequency resonance technology, small size, high output power, pure sine wave output.
- \* Compatible with multiple charging methods, built-in MPPT control unit, automatic recognition of vehicle charging function.
- \* High definition, high brightness large display, accurate display of power and belonging time.
- \* All outputs are independently controlled and protected, mutual interference of each output port is reduced to the minimum.
- \* Aviation-grade aluminum alloy shell, V0 fireproof, escorting for product safety.
- \* Multi-country third-party authoritative certification, broad market.

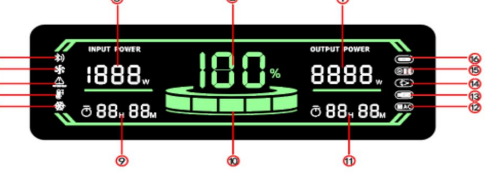
## Interface key description



NO.	Name	Brief description of functions
1	car charger point	12V/20A 200W AC output
2	LED display	power/capacity/Data display such as remaining time
3	USB button	turn on/off USB
4	Master switch button	Turn the device on or off
5	XT60 input point	DC input
6	USB-C point	PD100W output, PD22.5W output
7	AC button	turn on/off AC
8	AC output sockets	Different sockets can be customized for different regions
9	AC input socket	Connect to mains to charge the battery
10	USB-A point	QC3.0 18W USB-A output*4
11	DC button	turn on/off DC
12	DC 55*25 output	Total 12V/20A 200W DC output

L:447MM    W:234MM    H:219MM    N.W: 13.5Kg    G.W: 15.5Kg

## Screen display description



NO.	Name	NO.	Name
1	Output power	8	Low temperature alarm icon
2	Power Display	9	Full remaining time
3	Input power	10	Power grid
4	Bluetooth wifi icon	11	Discharge remaining time
5	Fan icon		
6	Overload alarm icon		
7	High temperature alarm icon		

## Packing and accessories list








**AC socket style optional instructions**



Host    Charger    car charger    Instruction manual    Inner box    UN box    JP,CN,EU,SA,AU,UK,General Standards

# Specification

Model		AP1000	Remarks
AC output	Output Voltage	100~120VAC , 220~240VAC	
	Output Waveform	Pure sine wave	
	Rated Power	1800w	
	Power Protection	1850W (peak 3000W 1mS)	
	Frequency range	50Hz/60Hz ±3Hz	
	Conversion efficiency	> 92%	
	Short circuit protection	Yes, short circuit removed, automatic release	
	Temperature protection	Temperature protection over 65°C	
	Operation mode	Press the AC button (about 1-2S) to switch on and off, and the screen will display the AC logo accordingly	
	AC input power	1000W	
	AC charging time	1.5 hours full, 1 hour to 90% charge	
	UPS function	Response time 10ms,adaptive frequency	
Battery Characteristics	Battery Type	Lithium iron phosphate, blade battery	
	Total Capacity	32000mAh	
	Battery Energy	1024Wh	
	Combination method	10S1P, platform voltage 32V	
Charging function	Charging port	AC Power	Voltage: AC (100~140VAC / 200~240VAC), maximum power 1000W, about 1.5H full
		Car Charging	Standard car charger to XT60 line, 12-15VDC/8A, 20-28Vdc/8A
		Solar Charging	Standard MC4 to XT60 line, built-in MPPT voltage: 12-48VDC, maximum 500W, charging time 2 hours
DC Output	Charging Temperature	Charging Temperature	0~50°C
		TYPE-C1	Parameters PD100W , 5V3A,9V3A,12V3A,15V3A,20V5A
		TYPE-C2	Parameters PD22.5W , PD2.0,PD3.0 PPS ,APPLE2.4A,QC2.0,QC4,SAMSUNG -AFC,HUAWEI-FCP
		USB-A1 QC	Parameters 18W output, QC3.0,5V3A,9V2A,12V1.8A
		USB-A2 QC	Parameters 18W output, QC3.0,5V3A,9V2A,12V1.8A
		USB-A3 QC	Parameters 18W output, QC3.0,5V3A,9V2A,12V1.8A
		USB-A4 QC	Parameters 18W output, QC3.0,5V3A,9V2A,12V1.8A
12VDC	Parameters Car charger and DC5521 shared output circuit, 12VDC 18A, 200W max		
LED lighting		4 modes: low light, high light, SOS, burst flash mode	
BMS	Protection function	1. overcharge protection, 2. over discharge protection, 3. temperature protection, 4. overcurrent protection, 5. short circuit protection, 6. SOC calculation	
	Rated current	80A	
Insulation and voltage withstand characteristics	Insulation resistance	Interface to housing	≥2MΩ 500Vdc
	Pressure resistance	AC Interface - Housing	2KVA/50Hz 1min
		Other Interfaces - Housing	500VAC/50Hz 1min
Operating noise		< 40dB	
Weight & Size	Host weight	N.W	13.5Kg
	Host size		447mm*234mm*219mm
	Set weight	G.W	15.5kg
	Package Size		510*291*219mm
HS Code		8507600090	
Container carrying capacity	20GP	With pallet: 9 pallets , 315 carton/Without pallet: carton	
	40HC	With pallet: 20 pallets , 700 carton/Without pallet: carton	
Certification		CE/FCC/ROSH/PSE/UN3.3/MSDS	