

PORTABLE POWER STATION

Reliable Power. Anywhere. Anytime.

PRODUCT INTRODUCTION

This portable power station combines high reliability, excellent tracking efficiency, and system expandability. It is seamlessly integrated with the battery to achieve efficient off-grid operation and can easily meet various power demands.

The system integrates bidirectional AC/DC conversion and Maximum Power Point Tracking (MPPT) control, enabling precise battery charging and discharging management. It can also intelligently adjust the AC output operating mode to ensure stable and efficient system performance.

In addition, the system features an Uninterruptible Power Supply (UPS) function, allowing switching between bypass power and battery inverter power within 10 milliseconds. This ensures continuous power supply and helps prevent losses caused by unexpected power outages.

PRODUCT FEATURES

-  Pure sine wave output (safe for electrical appliances)
-  Multiple built-in safety protection functions, protect against overcurrent, overvoltage, short circuit, and overtemperature
-  Multiple output ports for various devices
-  Built-in 300W MPPT charging module



1004.8Wh
Battery Energy

500W
Inverter



2009.6Wh
Battery Energy

1000W
Inverter

PRODUCT SPECIFICATIONS

Category	Specification	500W Inverter	1000W Inverter
 INPUT	Rated Power	500W	1000W
	Rated Input Voltage	3.2VDC	6.4VDC
	Battery Energy	1004.8Wh	2009.6Wh
	Input Voltage Type	1000W	
	Rated Input Voltage	6.4VDC	
	Rated Input Frequency	2009.6Wh	
	Maximum Input Current	2.5A	4.35A
	Input Voltage Range	150V~275Vac	
	Input Frequency Range	45~65Hz	
	Input Power Factor	>0.95	
 OUTPUT	Input Voltage Type	L+N	
	Rated Output Voltage	230Vac ±5Vac	
	Rated Input Frequency	50Hz ±0.5%	
	Total Harmonic Distortion	<3%	
	Overload Capacity	DC output 2.3A; max. power >500W Locked-rotor output @ <150Vac	DC output 4.35A; max. power >1000W Locked-rotor output @ <150Vac
	Uninterruptible Power Switching Time	10ms	
	DC Input Battery Voltage Range	2.5~3.65Vdc	5~7.3Vdc
	Rated Battery Voltage	3.2Vdc	6.4Vdc
	Charging Current Range	1~130A (adjustable)	1~220A (adjustable)
	Output Voltage Type	XT terminal	
 PV	Output Voltage Range	10~50Vdc	15~60Vdc
	Maximum Output Power	450W max.	550W max.
 DC OUTPUT	USB Charger	5V1A	
	TYPE-C Charger	5V1A	
 OTHER FEATURES	Communication & Monitoring	CAN/RS485	
	Operating Noise	<50dB	
 OPERATING ENVIRONMENT	Operating Temperature	-10°C~40°C	
	Storage Temperature	-15°C~60°C	
	Operating Humidity	Relative humidity 20%~95% (non-condensing)	
	Storage Humidity	Relative humidity 5%~95% (non-condensing)	
 DIMENSIONS	Dimensions (L×W×H)	280×250×160mm	280×250×260mm



Camping & Outdoor
Adventures



Home Backup
Power



Off-grid Living



Emergency
Power Supply



Road Trips &
RV Life



Work & Remote
Operations

POWER YOUR LIFE, POWER YOUR WORLD.