

Introduction

The QVWI S500 is a portable power station based on innovative Li-ion technology. It is used as a car, indoor and outdoor emergency backup power supply. It can be charged by solar PV generation and via grid power, it provides AC and DC output modes to meet the needs of different electronics products.



Features

- Portable, mobile, easy to use;
- Support multiple charging methods, 11-30V/interface DC5521 charging (photovoltaic charging), TYPE-C/100W charging;
- Support DC charging and discharging simultaneously;
- Support AC 230V 50Hz and DC 5V/12V/15V/20V voltage output;
- High-performance, high-safety and high-power automotive power batteries;
- System protection function for scenarios such as undervoltage, overcurrent, overtemperature, short circuit, overcharge, overdischarge, etc.;
- Support two QC3.0 fast charge output;
- Support one PD3.0/100W input/output, TYPE-C interface;

PRODUCT SPECIFICATIONS

ITEMS		DESCRIPTION
Basic Parameters	Dimension (W x D x H)	254 x 160 x 210MM
	Battery Capacity	460.8Wh (12.8V 24Ah)
Input	DC Charger	24V 4A (84W MAX)
	PD	≤100W
	Solar PV Input	11-30V (84W MAX), MPPT Method
	Charging Efficiency	≥90%
Output	DC12V	≥10A, 10-14V
	QC3.0	≥18W, 5/9/12V
	PD3.0	≤100W, 5/9/12/15/20 V
	AC	500W±10%, 230V ±5%
	Frequency	50Hz ±5% Pure Sine Wave Rated
Light	Power	3W
	Colour	White
	Colour Temperature	6000K~6500K
	Function	Lighting/SOS
Environment	Operating Temperature	0-45°C
	Storage Temperature	-5-35°C
	Relative Humidity	20-90%
	Cooling Method	Natural Air Cooling
Other	BMS Feature	Under-Voltage, Over-Current, Over-Temperature, Short-Circuit, Over-Charge, Over-Discharge