



# Inverter Expert **carSPA** P series P1000U-1000W

Features: ■

- Soft start: smooth start-up of appliances ◀
- Universal Protection Circuit: Over-voltage, thermal protection, earth fault protection, overload protection, short circuit protection, bat. Polarity reverse protection, low voltage protection ◀
- USB output: 5V, 500mA (note: as charger function only) ◀
- Thermal Methods: Dual cooling fans, temp. control or 30% load auto. on ◀
- Do not use the USB charge for your appliances when the low battery voltage happen! ◀
- With power ON/OFF switch and 2 LED indicator ◀
- 100% pure sine wave output, better than public power ◀
- The surge power twice as rated power ◀
- Low Interference Technology ◀
- High surge and efficient ◀
- 1.5 Year warranty ◀



**1000W**  
RATED POWER



**2000W**  
SURGE POWER

**1.5** YEAR LIMITED WARRANTY

5V, 500mA **USB**

## Pure sine wave power inverter



AC Output Receptacles (optional)

A*2ea USA	B*1ea AUSTRALIA	C*1ea UNIVERSAL	D*2ea Europe+USA+Japan	E*1ea U.K	F*1ea FRANCE	G*1ea GERMANY	GFCI*1ea USA-GFCI

### Specification:

ORDER No. (With U, means With USB Output Port)	P1000-121 P1000U-121	P1000-241 P1000U-241	P1000-481 P1000U-481	P1000-122 P1000U-122	P1000-242 P1000U-242	P1000-482 P1000U-482	
AC VOLTAGE	100/110/120VAC			220/230/240VAC			
RATED POWER	1000W						
SURGE POWER	2000W						
WAVEFORM	Pure sine wave (THD<3%)						
FREQUENCY	50/60Hz selectable						
AC REGULATION	±3%						
USB	5V, 500mA, ( Without USB, Model No.: P1000 - *** )						
STANDARD RECEPTACLES	A, B, C, D, E, F, G, GFCI Selectable (picture as below)						
LED INDICATOR	Green for power on, Red for failure State indication						
INPUT	NO LOAD CURRENT DRAW	0.87A	0.43A	0.23A	0.83A	0.43A	0.22A
	DC VOLTAGE	12VDC	24VDC	48VDC	12VDC	24VDC	48VDC
	VOLTAGE RANGE	10.5~15.0VDC	21.0-30.0VDC	42.0-60VDC	10.5-15.0VDC	21.0-30.0VDC	42.0-60VDC
	EFFICIENCY (Typ.)	87.0%	90.0%	93.0%	90.0%	90.0%	94.0%
	FUSE	30A*4	15A*4	7.5A*4	30A*4	15A*4	7.5A*4
PROTECTION	BAT. LOW ALARM	11VDC	22VDC	44VDC	11VDC	22VDC	44VDC
	BAT. LOW SHUTDOWN	10.5VDC	21.0VDC	42.0VDC	10.5VDC	21.0VDC	42.0VDC
	OVER LOAD	Shut-off output voltage, re-power on to recover					
	OVER VOLTAGE	15.3VDC	30.6VDC	61.2VDC	15.3VDC	30.6VDC	61.2VDC
	OVER TEMPERATURE	Shut-off output voltage, recover automatically after temperature goes down					
ENVIRONMENT	OUTPUT SHORT	Shut-off output voltage, re-power on to recover					
	BAT. POLARITY REVERSE	By fuse open					
	WORKING TEMP.	0-40 °C					
	WORKING HUMIDITY	20%-90% RH non-condensing					
SAFETY & EMC	STORAGE TEMP. & HUMIDITY	-30 °C -70 °C 22°F-158°F/10-95%					
	SAFETY STANDARDS	UL 458 (only for GFCI receptacles)					
	ISOLATION RESISTANCE	I/P-O/P: 1000ohms/500VDC					
	EMI CONDUCTION & RADIATION	Compliance to EN55022 Class A					
	EMS IMMUNITY	Compliance to EN61000-3-2,3					
OTHERS	LVD	Compliance to EN60950-1					
	E-MARK	Compliance to e8*72/245/EEC, 95/54/EC					
	DIMENSION	260*150*77.7MM					
	PACKING	2.7kg; 6 sets/18kgs/C.T.					
OTHERS	COOLING	Built-in cooling fan controlled by Tem. automatically					
	APPLICATION	Home and office appliances, Power tools and potable equipments, Vehicle and solar power systems .....etc.					

Soft Start High Efficient Turbo Cooling

Universal Protection Circuit

Compact Design

**L.I.T**  
Low Interference Technology

**USB** USB 5V = 500mA

New Energy Solve Way

Mobile AC Source

100% pure sine wave output, better than public power.

### INSTALLATION SCHEMATIC

