

1000W Modified Sine Wave DC - AC Power Inverter

Inverter Expert **CAR Series - CAR1K**



FEATURES: ■

I/P voltage: 12V DC or 24V DC or 48V DC ◀

Output voltage: 100/110/120V AC or 220/230/240V AC ◀

Output frequency: 50/60Hz ±3 ◀

I/P protections: Bat.Low alarm; Bat.Low shutdown; Over voltage; Polarity reverse ◀

O/P protections: Over load; Short circuit; Earth fault; Over temperature; Soft start ◀

Output waveform: Modified Sine Wave ◀

Design: High frequency design ◀

Topology: Microprocessor ◀

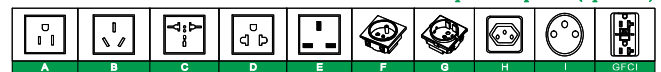
No load current draw: Low power consumption (standby) ◀

In front panel: With power ON/OFF switch and LED indicator ◀

ON/OFF remote control: optional ◀

Cooling fan: Load controlled or temperature controlled cooling fan (optional) ◀

Output Receptacle (optional)



■ SPECIFICATION:

Model	CAR1K-121	CAR1K-122	CAR1K-241	CAR1K-242	CAR1K-481	CAR1K-482	
Output	AC Voltage	110V	230V	110V	230V	110V	230V
	AC Voltage Range	100~120V AC	220~240V AC	100~120V AC	220~240V AC	100~120V AC	220~240V AC
	AC Regulation	± 10%					
	Rated Power	1000W					
	Peak Power	2000W(few seconds)					
	Waveform	Modified Sine Wave					
	Frequency	50/60Hz ± 3					
	USB Port	5V 2.1A					
	LED Indicator	Green for power on, Red for power failure / protection status					
Input	DC Current	100A	50A	25A			
	No Load Current Draw	0.8A	0.8A	0.8A			
	DC Voltage	12V	24V	48V			
	Voltage Range	9.5~16V DC	19~32V DC	38~64V DC			
	DC Connector	BVR10 battery clip * 1ea	BVR6 battery clip * 1ea	BVR4 battery clip * 1ea			
	Protection	Efficiency	≥90%				
Low Voltage Alarm		11 ± 0.5V DC	22 ± 1V DC	44 ± 1V DC			
Low Voltage Shutdown		9.5 ± 0.5V DC	19 ± 1V DC	38 ± 1V DC			
Reset Voltage after L. V. S		11.5V~12V DC	23~24V DC	46~48V DC			
Overload		Shut off o/p, re-power to recover					
Over Voltage		15 ± 0.5V DC	30 ± 1V DC	60 ± 2V DC			
Over Temperature		45 ± 5°C/113 ± 9 °F					
Output Short-circuit		Shut off o/p, when output is short circuit					
Reverse Polarity		By fuse open					
Replaceable Fuse		40A*4	20A*4	10A*4			
Soft Start		Yes, 3~5's					
Earth Fault		Shut off o/p when the load has electric leakage					
Environment	Working Temp.	0~30°C @ 100% load; 40°C @50% load					
	Working Humidity	20%~90% RH non-condensing					
	Storage Temp., Humidity	-30~+70°C/-22~+158°F, 10~95%RH					
	Temp. Coefficient	± 0.05%(0~50°C)					
Safety&EMC	Isolation Resistance	I/P-O/P:100M Ohms/500VDC/25°C/70%RH					
	EMI Conduction&Radiation	Compliance to EN55022 class B, 72/245/CEE, 95/54/CE					
	EMS Immunity	Compliance to EN61000-4-2,3					
	LVD	Compliance to EN60950					
	E-mark	E8 10R-02 0633					
Other	Remote Control	optional(switch with 5m wire)					
	MTBF	100khrs min. MIL - HDBK - 217(25 °C)					
	N.W/unit	2480g					
	Dimension(cm)	27.5*20.8*7.7(L*W*H)					
	Packing	Blister card/gift box, 6 units/19.5Kg/Ctn(50*34*44.5cm)					
	Output Receptacle	A, B, C, D, E, F, G, H, I, J, K, L, M, N(optional)					
	Applications	Home appliance, power tools, office and portable equipment and vehicle...etc.					

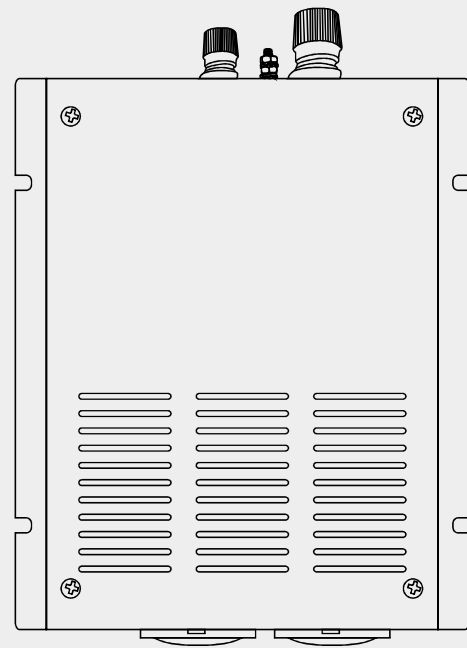
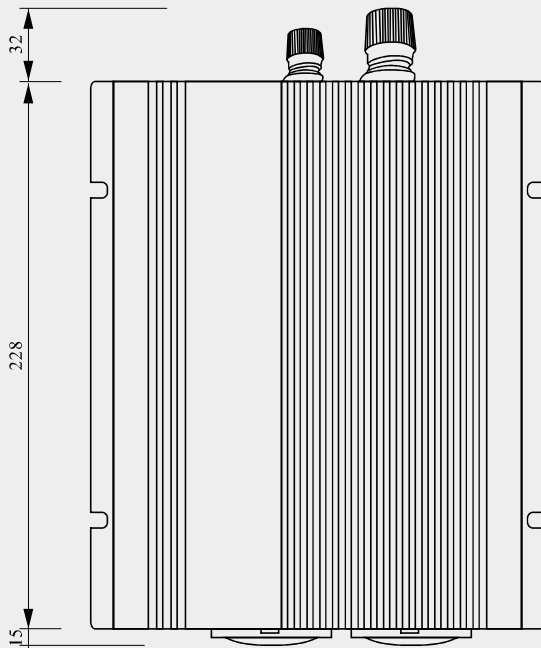
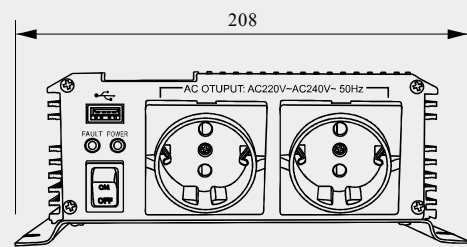
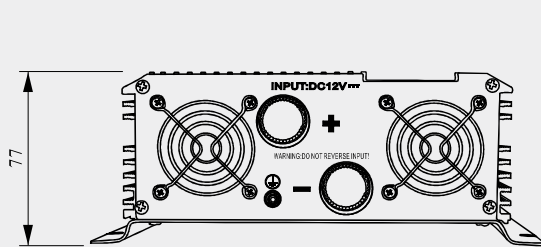
Note: Specification prior to change without notice

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MECHANICAL SPECIFICATION:

Unit: mm



Output Receptacle (optional)

