

5000W Modified Sine Wave DC - AC Power Inverter

Inverter Expert **CAR Series - CAR5K**



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 ◀

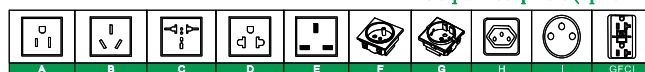
No load current draw: Low power consumption (standby) ◀

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:

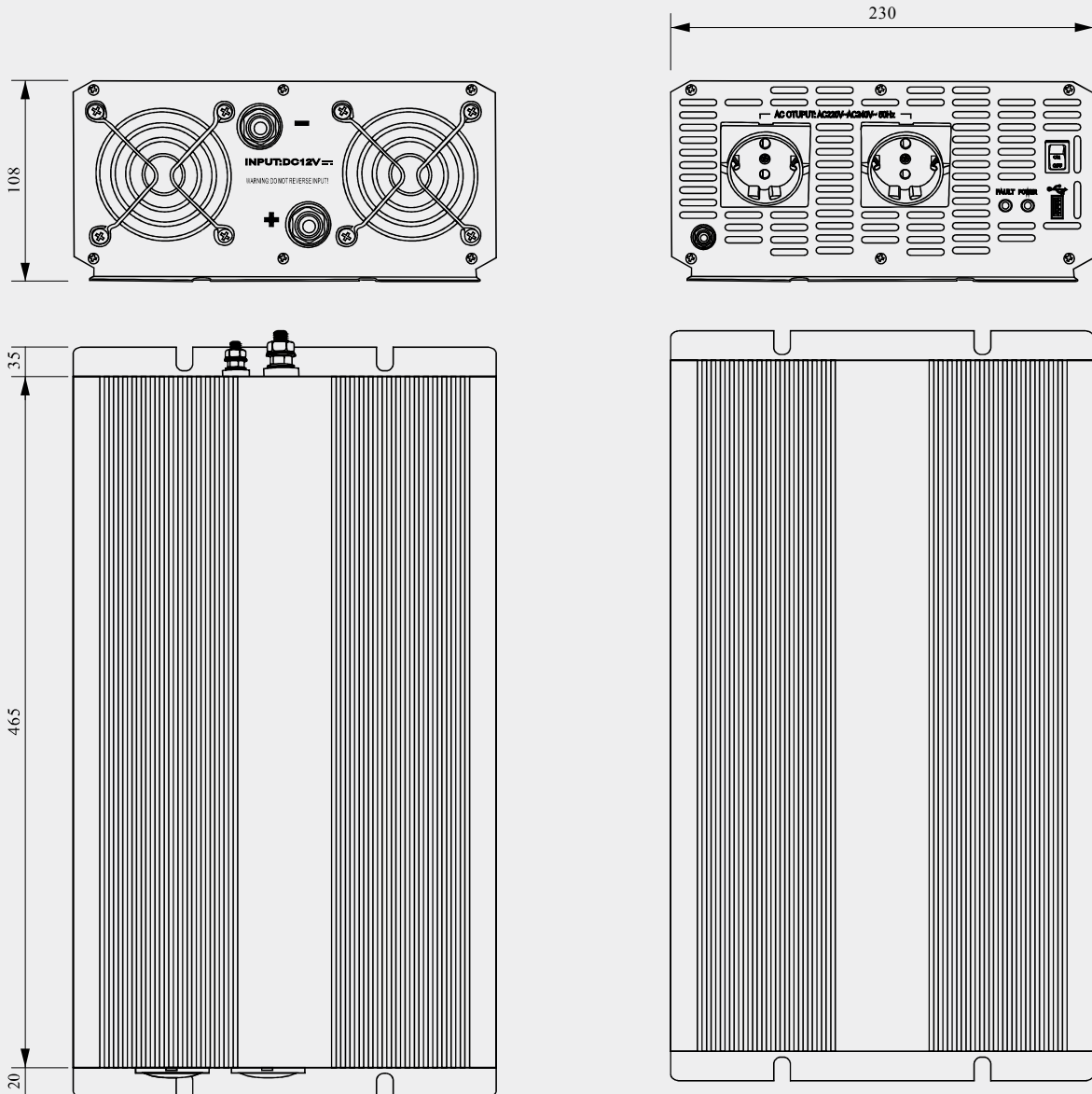
Model	CAR5K-121	CAR5K-122	CAR5K-241	CAR5K-242	CAR5K-481	CAR5K-482	
Output	AC Voltage	110V	230V	110V	230V	110V	230V
	AC Voltage Range	100~120V AC	220~240V AC	100~120V AC	220~240V AC	100~120V AC	220~240V AC
	AC Regulation	± 10%					
	Rated Power	5000W					
	Peak Power	10000W(few seconds)					
	Waveform	Modified Sine Wave					
	Frequency	50/60Hz ± 3					
	USB Port	5V 2.1A					
	LED Indicator	Green for power on, Red for power failure / protection status					
Cooling fan	Control by load						
Input	DC Current	500A		250A		125A	
	No Load Current Draw	1.8A		1.8A		1.8A	
	DC Voltage	12V		24V		48V	
	Voltage Range	9.5~16V DC		19~32V DC		38~64V DC	
	DC Connector	BVR10 battery clip * 5ea		BVR16 battery clip * 2ea		BVR16 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		30A*18		15A*18		7.5A*18	
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	37khrs min. MIL - HDBK - 217(25°C)					
	N.W/unit	8600g					
	Dimension(cm)	52*23*10.8(L*W*H)					
	Packing	Blister card/gift box, 2 units/21.1Kg/Ctn(57.5*32*38.5cm)					
	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.					

5000W Modified Sine Wave DC - AC Power Inverter

Inverter Expert **CAR Series - CAR5K**

MECHANICAL SPECIFICATION:

Unit: mm



Output Receptacle (optional)

