

800W Modified Sine Wave DC - AC Power Inverter

Inverter Expert **CAR Series - CAR800**



FEATURES: ■

I/P voltage: 12V DC or 24VDC ◀

O/P 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 ◀

Topology: Microprocessor ◀

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

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

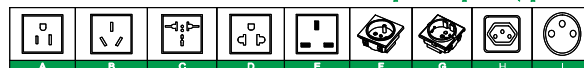
Included in packing: Both battery cord and cigarette plug ◀

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

USB E₈ RoHS CE-LVD/EMC

2 YEAR LIMITED WARRANTY

Output Receptacle (optional)



■ SPECIFICATION:

Model	CAR800-121	CAR800-122	CAR800-241	CAR800-242	
OUTPUT	AC Voltage	110V	230V	110V	230V
	AC Voltage Range	100~120V AC	220~240V AC	100~120V AC	220~240V AC
	AC Regulation	± 10%			
	Rated Power	800W			
	Peak Power	1600W(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	80A		40A	
	No Load Current Draw	0.5A		0.5A	
	DC Voltage	12V		24V	
	Voltage Range	10~15V DC		20~30V DC	
	DC Connector	BVR10 battery clip * 1ea		BVR6 battery clip * 1ea	
PROTECTION	Efficiency	≥ 90%			
	Low Voltage Alarm	10.5 ± 0.5V DC		21 ± 1V DC	
	Low Voltage Shutdown	10 ± 0.5V DC		20 ± 1V DC	
	Reset Voltage after L. V. S	11.5V~12V DC		23~24V DC	
	Overload	Shut off o/p, re-power to recover			
	Over Voltage	15~16V DC		30~32V 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	50*2A		25*2A	
	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	MTBF	150khrs min. MIL - HDBK - 217(25°C)			
	N.W/unit	1500g			
	Dimension(cm)	21.5*15*5.8(L*W*H)			
	Packing	Blister card/gift box, 8 units/16.6Kg/Ctn(52.5*38.5*30cm)			
	Output Receptacle	A, B, C, D, E, F, G, H, I (optional)			
	Applications	Mobile phone, MP5, Iphone, Ipad, Computer, Laptop etc.			

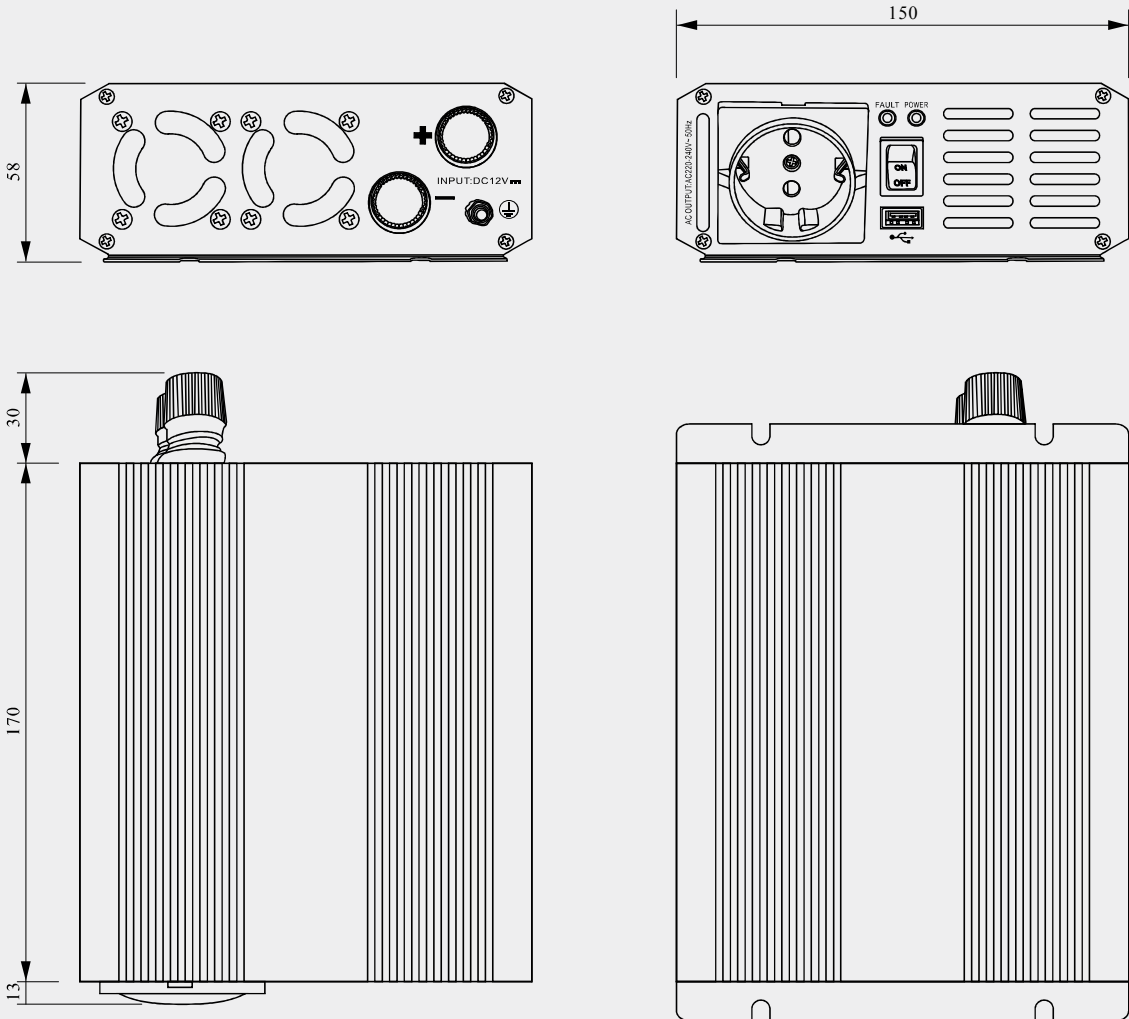
Note: Specification prior to change without notice

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MECHANICAL SPECIFICATION:

Unit: mm



Output Receptacle (optional)

