

# 600W Modified Sine Wave DC - AC Power Inverter

## Inverter Expert **CAR Series - CAR600**



### 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 ◀

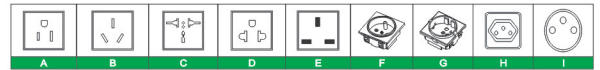
**No load current draw:** Low power consumption (standby) ◀

**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) ◀

### Output Receptacle (optional)



### ■ SPECIFICATION:

Model	CAR600-121	CAR600-122	CAR600-241	CAR600-242	
OUTPUT	AC Voltage	110V	230V	110V	
	AC Voltage Range	100~120V AC	220~240V AC	100~120V AC	
	AC Regulation	± 10%			
	Rated Power	600W			
	Peak Power	1200W(few seconds)			
	Waveform	Modified Sine Wave 			
	Frequency	50/60Hz ± 3			
	LED Indicator	Green for power on, Red for power failure / protection status			
INPUT	DC Current	60A		30A	
	No Load Current Draw	0.65A		0.35A	
	DC Voltage	12V		24V	
	Voltage Range	10~15V DC		20~30V DC	
	DC Connector	BVR6 battery clip * 1ea,600mm cigarette plug* 1ea		BVR4 battery clip * 1ea,600mm cigarette plug* 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		30*2A		15*2A	
Soft Start		Yes, 3~5's			
ENVIRONMENT	Earth Fault	Shut off o/p when the load has electric leakage			
	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			
SAFETY&EMC	Temp. Coefficient	± 0.05%/(0~50 °C)			
	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			
OTHER	E-mark	E8 10R-02 0633			
	MTBF	100khrs min. MIL - HDBK - 217(25 °C)			
	N.W/unit	835g			
	Dimension(cm)	23.5*10.5*5.55(L*W*H)			
	Packing	Blister card/gift box, 16 units/13.4Kg/Ctn(57.5*32*38.5cm)			
	Output Receptacle	A, B, C, D, E, F, G, H, I (optional)			
Applications	Mobile phone, MP5, Iphone, Ipad, Computer, Laptop etc.				

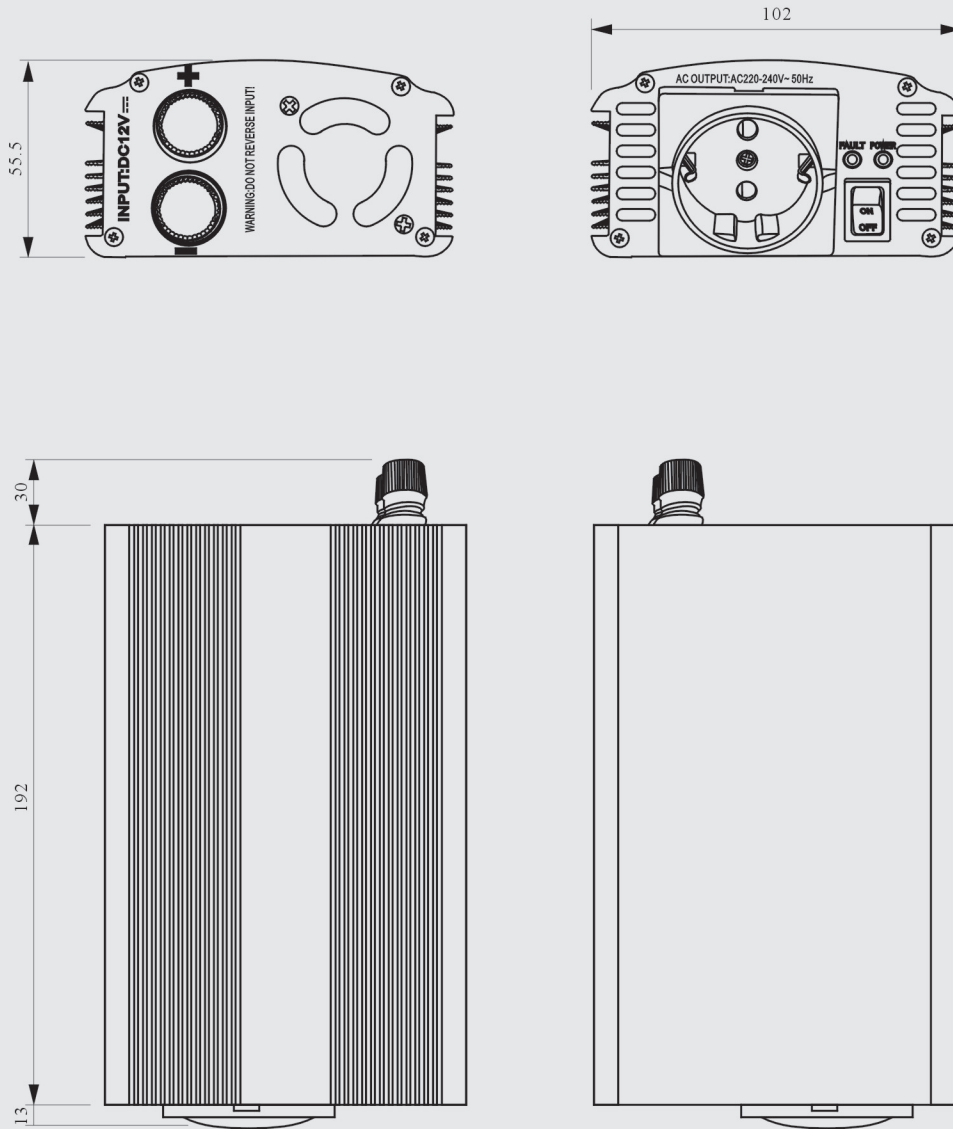
Note: Specification prior to change without notice (If with USB, the model is CAR600U)

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## Inverter Expert **CAR Series - CAR600**

### MECHANICAL SPECIFICATION:

Unit: mm



### Output Receptacle (optional)

