Add: CARSPA Building, Xinhejia Industrial Zone,
Baishi, Yueqing, Wenzhou, Zhejiang, China 325604

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1200W Modified Sine Wave DC - AC Power Inverter

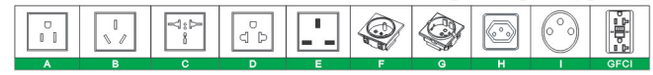
Inverter Expert CAR Series - CAR1.2KU(with USB)

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)

RoHS CE-LVD/EMC 1.5 YEAR LIMITED WARRANTY

Output Receptacle (optional)



SPECIFICATION:

Model		CAR1.2KU-121	CAR1.2KU-122	CAR1.2KU-241	CAR1.2KU-242	CAR1.2KU-481	CAR1.2KU-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	1200W					
	Peak Power	2400W(few seconds)					
	Waveform	Modified Sine Wave					
	Frequency	50/60Hz±3					
	USB Port	5V 500mA(optional)					
	LED Indicator	Green for power on, Red for power failure / protection status					
	Cooling fan	Control by load					
Input	DC Current	120A		60A		30A	
	No Load Current Draw	1.05A		0.55A		0.3A	
	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℃/113±9℉					
	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℃@ 100% load; 40℃@50% load					
	Working Humidity	20%~90% RH non-condensing					
	Storage Temp., Humidity	-30~+70℃/-22~+158℉, 10~95%RH					
	Temp. Coefficient	±0.05%(0~50℃)					
Safety&EMC	Isolation Resistance	I/P-O/P:100M Ohms/500VDC/25℃/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℃)					
	N.W/unit	2400g					
	Dimension(cm)	27.5*20.8*7.7(L*W*H)					
	Packing	Blister card/gift box, 6 units/14.4Kg/Ctn(50*34*44.5cm)					
	Output Receptacle	A, B, C, D, E, F, G, H, I, GFCI(optional)					
	Applications	Home appliance, power tools, office and portable equipment and vehicle...etc.					

Note: Specification prior to change without notice (If without USB, the model is CAR1.2K)

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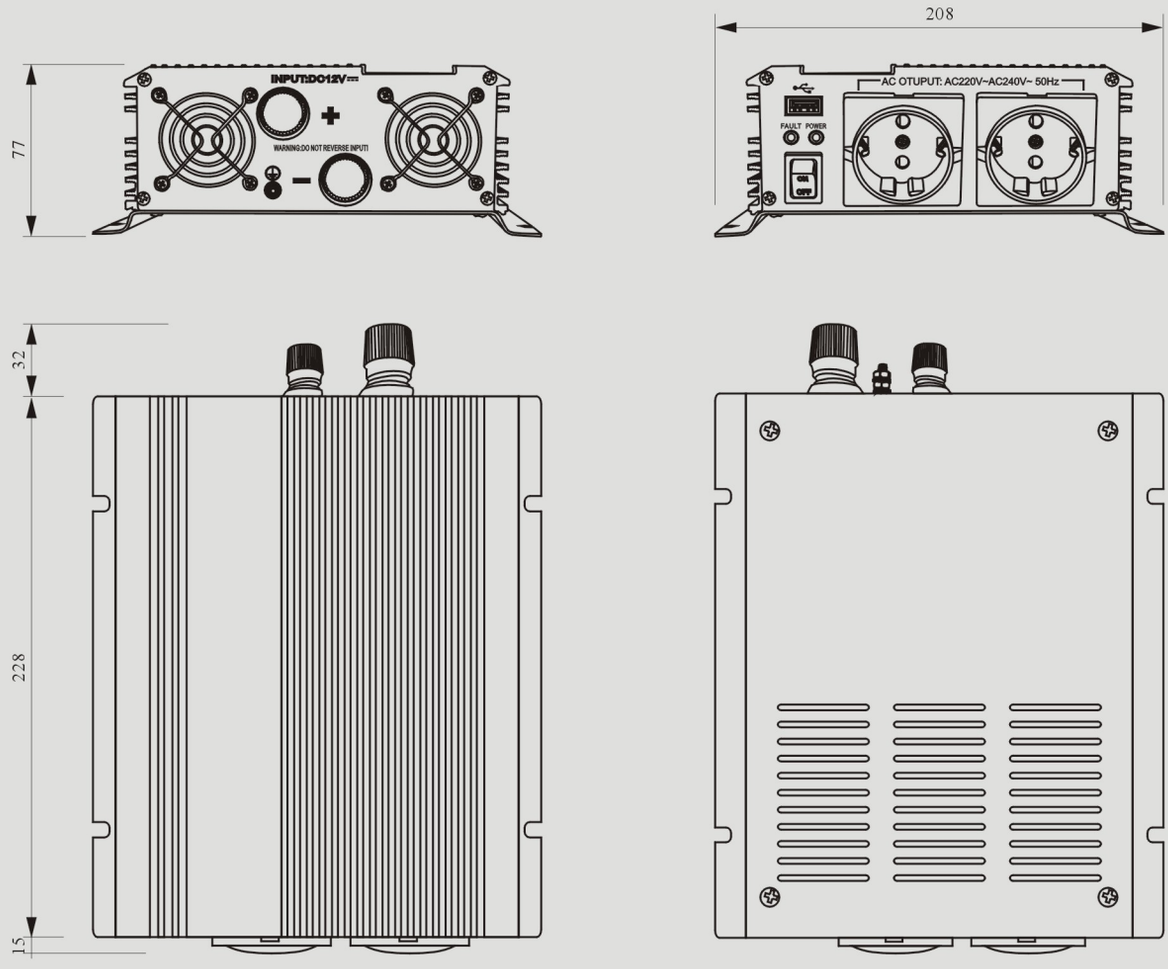
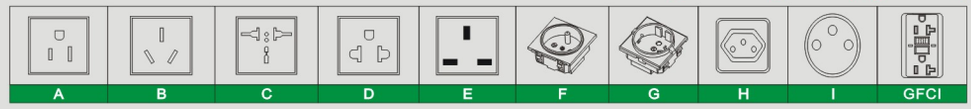
MECHANICAL SPECIFICATION:

Unit: mm



Output Receptacle (optional)