

# 400W Modified Sine Wave DC - AC Power Inverter

## Inverter Expert **CAR Series - CAR400**

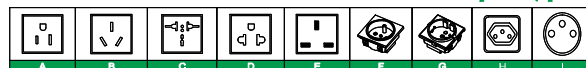


### FEATURES: ■

- 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	CAR400-121	CAR400-122	CAR400-241	CAR400-242	
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	400W			
	Peak Power	800W(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	30A		15A	
	No Load Current Draw	0.3A		0.3A	
	DC Voltage	12V		24V	
	Voltage Range	10~15V DC		20~30V DC	
	DC Connector	BVR4 battery clip* 1ea,600mm cigarette plug* 1ea		BVR2.5 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	40A*1		20A*1	
	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	200khrs min. MIL - HDBK - 217(25 °C)			
	N.W/unit	650g			
	Dimension(cm)	18.5*10.8*6.2(L*W*H)			
	Packing	Blister card/gift box, 20 units/21Kg/Ctn(45.5*34*38cm)			
	OUTPUT Receptacle	A, B, C, D, E, F, G, H, I (optional)			
	Applications	Mobile phone, MP5, Iphone, Ipad, Computer, Laptop etc.			