

300W Modified Sine Wave DC - AC Power Inverter

Inverter Expert

CAR Series - CAR300U(with USB)



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) ◀

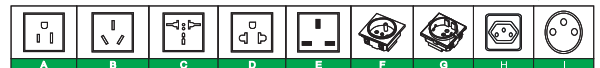
In front panel: With power ON/OFF switch and LED indicator ◀

Included in packing: Both battery cord and cigarette plug ◀


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

USB (E8) RoHS CE-LVD/EMC 1.5 YEAR LIMITED WARRANTY

OUTPUT Receptacle (optional)



■ SPECIFICATION:

Model		CAR300U-121	CAR300U-122	CAR300U-241	CAR300U-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	300W			
	Peak Power	600W(few seconds)			
	Waveform	Modified Sine Wave 			
	Frequency	50/60Hz±3			
	USB Port	5V 2.1A(optional)			
	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	0.35A		0.2A	
	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℃/113±9 ℉			
	OUTPUTShort-circuit	Shut off o/p, when OUTPUTis short circuit			
	Reverse Polarity	By fuse open			
	Replaceable Fuse	40A		20A	
	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	MTBF	200khrs min. MIL - HDBK - 217(25℃)			
	N.W/unit	650g			
	Dimension(cm)	18.5*10.8*6.2(L*W*H)			
	Packing	Blister card/gift box, 20 units/12.6Kg/Ctn(55*29.5*47.5cm)			
	OUTPUTReceptacle	A, B, C, D, E, F, G, H, I (optional)			
	Applications	Mobile phone, MP5, Iphone, Ipad, Computer, Laptop etc.			