600W Modified Sine Wave DC - AC Power Inverter

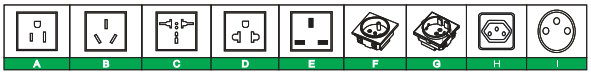
Inverter Expert CAR Series - CAR600U(with USB)

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		CAR600U-121	CAR600U-122	CAR600U-241	CAR600U-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	600W			
	Peak Power	1200W(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	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℃/113±9℉			
	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			
	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	100khrs min. MIL - HDBK - 217(25℃)			
	N.W/unit	880g			
	Dimension(cm)	22.6*10.8*6.2(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.			