

3000W Modified Sine Wave DC - AC Power Inverter

Inverter Expert **CAR Series - CAR3KU(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 ➤

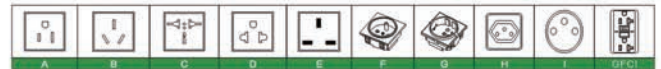
No load current draw: Low power consumption (standby) ➤

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) ➤

Output Receptacle (optional)



■ SPECIFICATION:

Model		CAR3KU-121	CAR3KU-122	CAR3KU-241	CAR3KU-242	CAR3KU-481	CAR3KU-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	3000W					
	Peak Power	6000W(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	300A		150A		75A	
	No Load Current Draw	1.5A		1.5A		1.5A	
	DC Voltage	12V		24V		48V	
	Voltage Range	9.5~16V DC		19~32V DC		38~64V DC	
	DC Connector	BVR16 battery clip * 2ea		BVR16 battery clip * 1ea		BVR10 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 °C/113 ± 9 °F					
	Output Short-circuit	Shut off o/p, when output is short circuit					
	Reverse Polarity	By fuse open					
	Replaceable Fuse	30A*12		15A*12		7.5A*12	
	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	Remote Control	optional(switch with 5m wire)					
	MTBF	37khrs min. MIL - HDBK - 217(25 °C)					
	N.W/unit	6200g					
	Dimension(cm)	42*23*10.8(L*W*H)					
	Packing	Blister card/gift box, 2 units/15.8Kg/Ctn(49*31.5*38.5cm)					
	Output Receptacle	A, B, C, D, E, F, G, H, I, J, K, L, M, N(optional)					
	Applications	Home appliance, power tools, office and portable equipment and vehicle...etc.					

Note: Specification prior to change without notice