

# 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 ◀

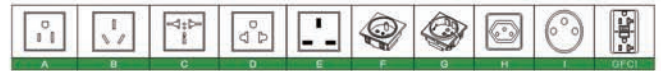
**No load current draw:** Low power consumption (standby) ◀

**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					
Other	E-mark	E8 10R-02 0633					
	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