

1600W Modified Sine Wave DC - AC Power Inverter

Inverter Expert

CAR Series - CAR1.6KU(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)



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

■ SPECIFICATION:

Model		CAR1.6KU-121	CAR1.6KU-122	CAR1.6KU-241	CAR1.6KU-242	CAR1.6KU-481	CAR1.6KU-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	$\pm 10\%$					
	Rated Power	1600W					
	Peak Power	3200W(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	160A	80A	40A	40A		
	No Load Current Draw	0.9A	0.9A	0.9A	0.9A		
	DC Voltage	12V	24V	48V	48V		
	Voltage Range	9.5~16V DC	19~32V DC	38~64V DC	38~64V DC		
	DC Connector	BVR16 battery clip * 1ea	BVR10 battery clip * 1ea	BVR6 battery clip * 1ea	BVR6 battery clip * 1ea		
Protection	Efficiency	$\geq 90\%$					
	Low Voltage Alarm	11 \pm 0.5V DC	22 \pm 1V DC	44 \pm 1V DC	44 \pm 1V DC		
	Low Voltage Shutdown	9.5 \pm 0.5V DC	19 \pm 1V DC	38 \pm 1V DC	38 \pm 1V DC		
	Reset Voltage after L. V. S	11.5V~12V DC	23~24V DC	46~48V DC	46~48V DC		
	Overload	Shut off o/p, re-power to recover					
	Over Voltage	15 \pm 0.5V DC	30 \pm 1V DC	60 \pm 2V DC	60 \pm 2V DC		
	Over Temperature	45 \pm 5°C / 113 \pm 9 °F					
	Output Short-circuit	Shut off o/p, when output is short circuit					
	Reverse Polarity	By fuse open					
	Replaceable Fuse	40A*6	20A*6	10A*6	10A*6		
	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	$\pm 0.05\%$ (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	100khrs min. MIL - HDBK - 217(25°C)					
	N.W/unit	3200g					
	Dimension(cm)	32.5*20.8*7.7(L*W*H)					
	Packing	Blister card/gift box, 4 units/16.8Kg/Ctn(51.5*39*31.5cm)					
	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