

1000W Modified Sine Wave DC - AC Power Inverter

Inverter Expert

CAR Series - CAR1KU(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)



SPECIFICATION:

| Model | | CAR1KUU-121 | CAR1KU-122 | CAR1KU-241 | CAR1KU-242 | CAR1KU-481 | CAR1KU-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 | 1000W | | | | | |
| | Peak Power | 2000W(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 | 100A | | 50A | | 25A | |
| | No Load Current Draw | 1A | | 0.5A | | 0.25A | |
| | DC Voltage | 12V | | 24V | | 48V | |
| | Voltage Range | 9.5~16V DC | | 19~32V DC | | 38~64V DC | |
| | DC Connector | BVR10 battery clip * 1ea | | BVR6 battery clip * 1ea | | BVR4 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℃ /113 ± 9 ℉ | | | | | |
| | Output Short-circuit | Shut off o/p, when output is short circuit | | | | | |
| | Reverse Polarity | By fuse open | | | | | |
| | Replaceable Fuse | 30A*4 | | 15A*4 | | 10A*3 | |
| | 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 | Remote Control | optional(switch with 5m wire) | | | | | |
| | MTBF | 100khrs min. MIL - HDBK - 217(25℃) | | | | | |
| | N.W/unit | 2400g | | | | | |
| | Dimension(cm) | 27.5*20.8*7.7(L*W*H) | | | | | |
| | Packing | Blister card/gift box, 6 units/14.4Kg/Ctn(50*34*44.5cm) | | | | | |
| | Output Receptacle | A, B, C, D, E, F, G, H, I, GFCI(optional) | | | | | |
| | Applications | Home appliance, power tools, office and portable equipment and vehicle...etc. | | | | | |

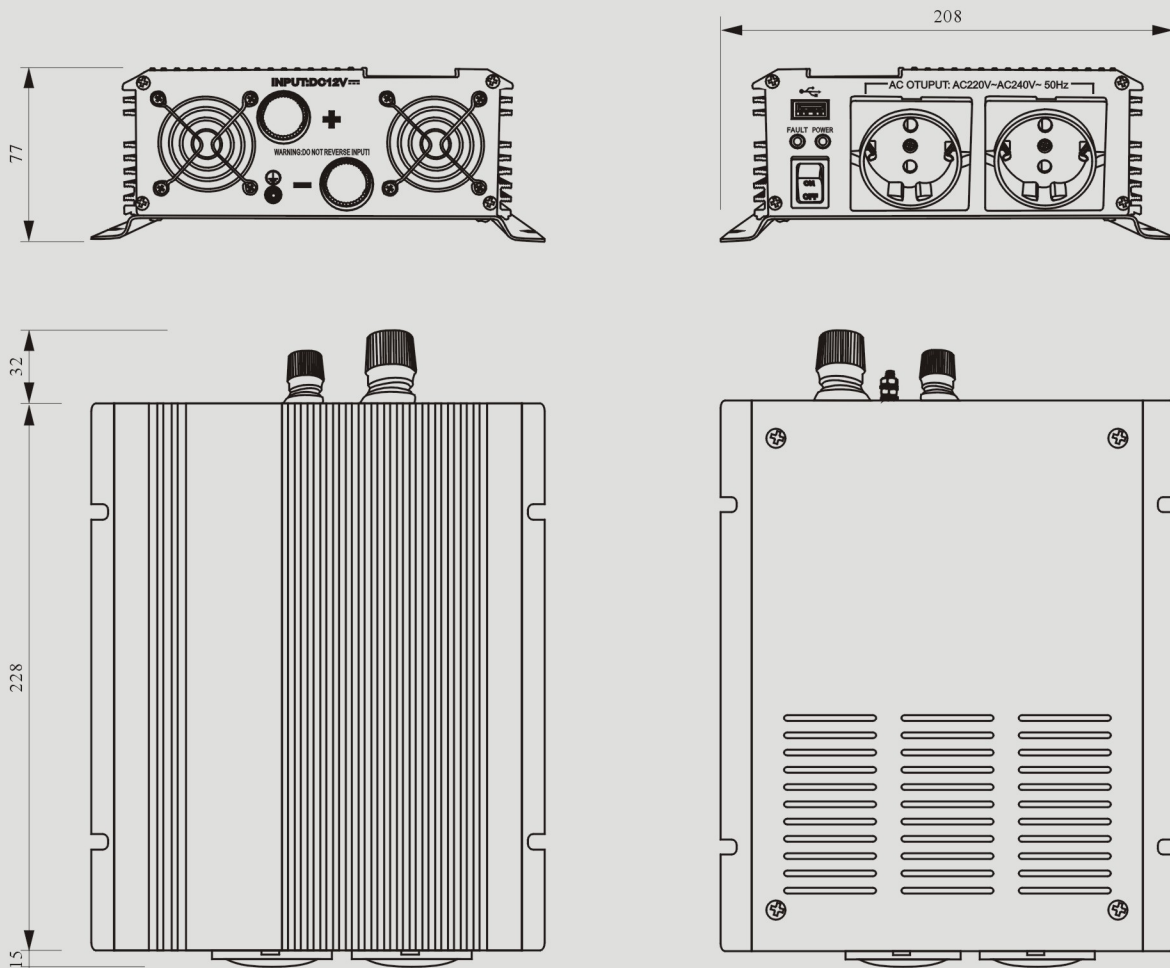
Note: Specification prior to change without notice (If without USB, the model is CAR1K)

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MECHANICAL SPECIFICATION:

Unit: mm



Output Receptacle (optional)

