

CNB200 series 24VAC 200W Inverters



- Small Size solution to supply 24vac.
- Power rating : 200W
- Input voltage options: 12VDC 24VDC 48VDC
- Output voltage: 24VAC 50Hz Pure Sinewave
- Numerous applications in security and control systems



Model Selection Table

Model Number	Description
CNB200-12	DC/AC Industrial Inverter Input: 12VDC (11VDC-14.5VDC) Output: 24VAC 200W 50Hz
CNB200-24	DC/AC Industrial Inverter Input: 24VDC (20VDC-30VDC) Output: 24VAC 200W 50Hz
CNB200-48	DC/AC Industrial Inverter Input: 48VDC (40VDC-60VDC) Output: 24VAC 200W 50Hz

Description

The CNB200 series is a compact solution to convert low voltage dc to 24VAC to power 24VAC equipment up to 200W. The CNB200 series finds numerous applications in security systems , control systems etc. The output is a 24VAC pure sinewave.

Specifications

Output Power	200W continuous (24VAC 8 Amps nominal)◇
Input Voltage , Current	12VDC Models: 10-15VDC Startup: 11- 14.5VDC 24VDC Models: 20-30VDC Startup: 22-29VDC 48VDC Models: 40-60VDC Startup: 44-58VDC
Output Voltage / frequency	24VAC / 50Hz
Output voltage regulation	+/- 10%
Weight	1.3 KG
Dimensions	L 247 * W 132 * H 68mm
Isolation Voltage Input/Output	100VDC
Cooling	Temperature controlled fan cooling
Operating Temperature range	-10 'C - 50 'C
Safety Standards	EN62368
Protection	Output short circuit Input reverse polarity Input undervoltage shutdown
Efficiency	Maximum 80%
Standby power	5W typical
Input under voltage shutdwon	12V input: Vin < 10VDC ±5%. Restart Vin > 11VDC◇ 24V input: Vin < 20VDC ±5%. Restart Vin > 22VDC 48V input: Vin < 40VDC ±5%. Restart Vin > 44VDC

Installation

This inverter may be powered from any DC voltage source that can supply the required voltage and current, the connecting wire must of adequate size to assure a proper voltage and current is maintained at the input. The location of the inverter must be such that it meets all the requirements listed below and these requirement must be maintained during use:

- PLEASE BE CAREFUL WITH INPUT POLARITY , REVERSE POLARITY WILL DAMAGE UNIT WHICH IS NOT COVERED BY WARRANTY
- Inverter intended for indoor use only
- No direct sunlight or source of radiant heating falls on the inverter

- Keep away from a window that may be opened to avoid the possibility of rain falling on the unit
- No other source of heat in the immediate vicinity
- Please insure enough ventilation and there is no blockage of air flow around the inverter
- Mount securely to firm flat surface

The inverter does not require any maintenance, the only maintenance required is to wipe any accumulated dust or dirt which will block cooling of the device.

The inverter has no user serviceable parts.

Troubleshooting

If the device being powered by the inverter is not operating correctly please check the following:

- Check to make sure proper power is available at the input terminals of the inverter
- Check that the power being supplied by the inverter to the load meets the load requirement. Measure the voltage at the inverter output and the load input and make sure it is the same value, otherwise there could be a bad connection between the inverter and load.

Input Output Connection Picture



INPUT CONNECTION



OUTPUT CONNECTION

Mechanical Drawing - CNB200

