

POWER INVERTER WITH CHARGER

IMPORTANT OPERATING INSTRUCTIONS

CAUTION

Verify that the total load of the AC device(s) that you plan to use on this INVERTER DOES NOT exceed over load.

- Power Switch must be in "OFF" position.
- Your AC appliance switch must be in "OFF" position.
- Check your battery voltage and connect to Dc input power.
- Then, plug the AC plug of your computer, fax, stereo, TV, VCR or other appropriately rated AC device appliance into either of the AC sockets of the INVERTER, bearing in mind that your AC appliance switch must be in the "OFF" position.
- Next, turn your AC appliance switch to the "ON" position and you are now ready to enjoy the convenience of this unique DC to AC, MODIFIED SINE WAVE, POWER INVERTER WITH CHARGER.
- Cables: DC to AC Inverter requires high amperage/low voltage DC power to low amperage/high voltage AC power. To operate properly connect inverter DC input terminals direct to battery with heaviest wire available, see chart below:

	INPUT BATTERY : 24Vdc		INPUT BATTERY : 12Vdc	
	DC AMP	WIRE GAUGE	DC AMP	WIRE GAUGE
600CA	30A	AWG 10	60A	AWG 8
1200CA	50A	AWG 8	80A	AWG 6
1800CA	69A	AWG 6	140A	AWG 4

NOTE

When there is A "Beep" sound from the inverter, the battery or less than 21.4V/11.7Vdc (Low Battery) and should be charged to 24V/12V by starting your vehicle engine (The battery cut point is 20V/10V). If your AC appliance or device is greater than 1500W, the INVERTER will become hot and will automatically cease to operate. An overload alarm will sound if this occurs. Unplug your AC appliance/device immediately, turn the power switch off and allow the INVERTER to cool down. You may reuse the INVERTER after its temperature returns to normal, after you have verified that your 24V/12V DC battery is fully charged and your AC appliance does not exceed the capacity of this INVERTER.

- For best long-term Inverter performance, limit AC load up to approximately 350w/700W/1000Watts and always operate the unit in a properly ventilated environment, to facilitate proper heat dissipation.

SPECIFICATIONS

Power AC Input	☐ 110V/ ☐ 120V/ ☐ 220V/ ☐ 230V/ ☐ 240Vac ☐ 50Hz / ☐ 60Hz
Power DC Input	☐ 12V / ☐ 24Vdc
Power Output	☐ 110V/ ☐ 120V / ☐ 220V/ ☐ 230V/ ☐ 240Vac
Max. Continuous Power	☐ 600/ ☐ 1000/ ☐ 1500 / ☐ 1800 Watts
Peak Power	☐ 1200/ ☐ 2000/ ☐ 3000 / ☐ 3600 Watts
Battery charger current	☐ 12V12A / ☐ 24V10A
Output Frequency	☐ 50Hz / ☐ 60Hz
Output Waveform	Modified Sine Wave
Efficiency	90%
No Load Current Draw	0.35 Amp
Polarity	Negative (-) to ground

FEATURES

- High efficiency for longer battery life.
- “Low battery” warning alarm and shutdown, when battery discharges to approximately low Volts DC.
- “Over-Load Protection” warning alarm when the equipment power consumption exceeds over load Watts.
- Electronic thermal circuit protection prevents potential damage from overloads, inadequate ventilation and overheating.
- Heat exhaust fan to cool the inverter.(two step speed control)
- High-surge current capability to operate to 1000/2000/3000 Watts “start-up” loads such as lamps, motors and other inductive loads.
- Protective external blade fuse to guard against overload.
- ON/OFF Power Switch.

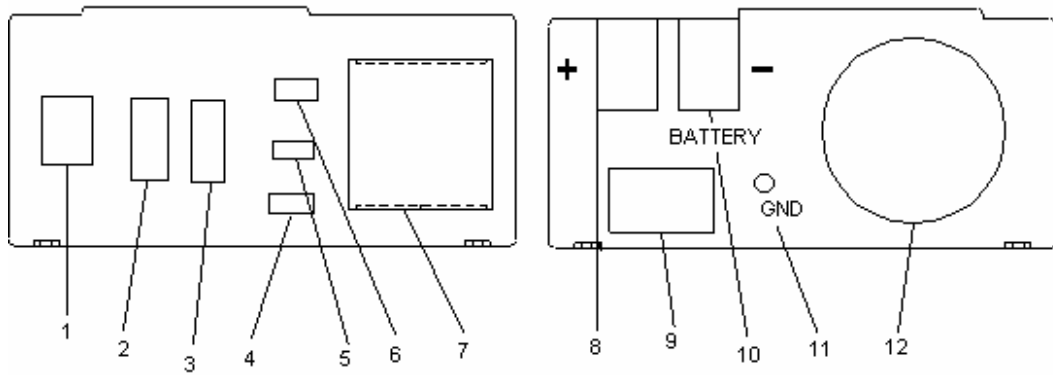
WARNING

- (a) **DO NOT OVERLOAD** your POWER INVERTER.
- (b) Power INVERTER is not intended for continuous use over an extended period of time.
- (c) Keep INVERTER and any electrical appliance away from moisture and water.

LIMITED WARRANTY

This device is warranted against defects in materials and workmanship for a period of 12 months from the date of purchase and we will repair or replace, any defective inverter that is not modified or tampered with, when returned to us postage prepaid to the address below. This warranty will be rendered void if the unit has suffered any obvious physical damage or alteration either internally or externally. Damage arising from improper use such as plugging the unit into an unsuitable power source, attempting to operate products with excessive power consumption requirements, or use in over-heated or wet environment will also void the limited warranty. This is the only WARRANTY that we offer and no other Warranties of merchantability and fitness for a particular use or purpose.

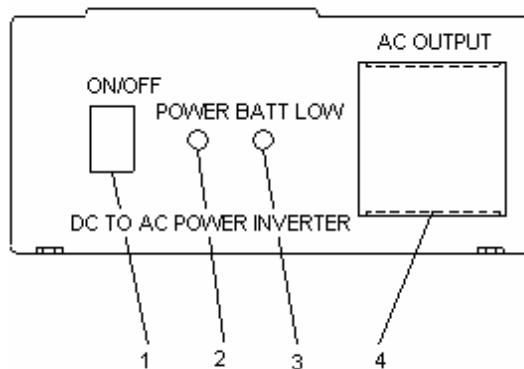
1200CA / 1800CA INVERTER WITH CHARGER
FRONT PANEL *REAR PANEL*



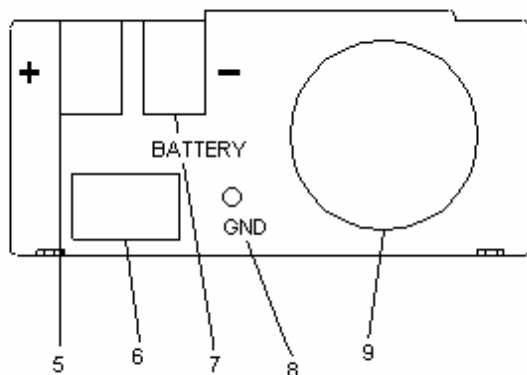
1. Inverter Power switch on/off.
2. Battery levels display.
3. Inverter output loads levels
4. Output: ac inverter power indicates.
5. Over load indicates.
6. Over temp indicates.
7. Ac terminal: ac power input and output terminal.
8. Battery Pos.+ DC input terminal.
9. Ac line input cable.
10. Battery Neg.- DC input terminal.
11. Gnd: ground terminal.
12. Fan.

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FRONT PANEL



REAR PANEL



- 1.Power switch on/off.
- 2.Green light: Output ac inverter power indicates.
- 3.Red light: battery low level indicates.
- 4.Output: ac inverter power output outlet.
- 5.Battery positive + DC input positive terminal.
- 6.Ac line input cable.
- 7.Battery Neg.- DC input terminal.
- 8.Gnd: ground terminal.
- 9.Fan.

INSTALLTION:

- 1.Setup you wire(ac Input cable ,battery and output cable)
- 2.Turn on power switch.
- 3.Turn on your load.

*** Caution: When you connect battery before please check battery voltage and battery cable polarity.

WIRE CONNECT DIAGRAM

