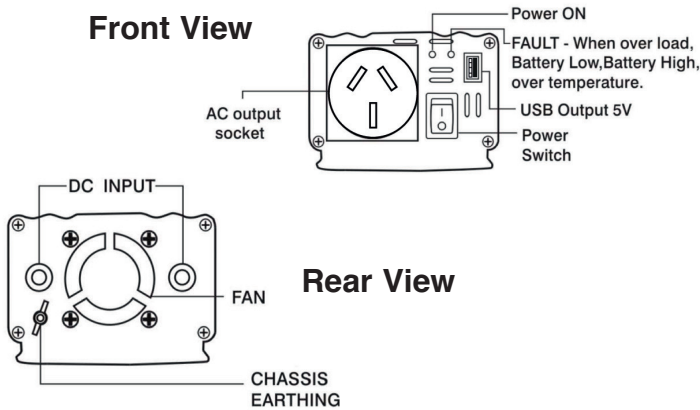


Powerhouse Inverters

M 8076A 12V Input 300W Modified Sine Wave Inverter

Congratulations on purchasing a Powerhouse Inverter. This modified sine wave inverter delivers efficient clean AC power suitable for a wide range of applications where mains power is not available. To get the most out of your inverter it must be installed and used properly.



Connect the inverter DC INPUT terminals directly to the battery with the heaviest wire available. See the below table for recommended wire diameter sizes.

Input	Cable Length			
	1.5m	3m	4.5m	6m
12V d.c.	8.4mm ²	13.3mm ²	21.1mm ²	33.6mm ²

Use crocodile clips or ring terminals to connect your inverter directly to the battery (DC INPUT). Connect the red wire to the positive (+) terminal and the black wire to the negative (-) terminal. If using ring terminals ensure the terminals are fastened tightly.

Note: Most vehicle cigarette lighter (auxiliary) sockets have a maximum rating of 10A so we do not recommend using the cigarette lighter / auxiliary socket with this inverter.

Connect the other end of the wires to the rear panel of the inverter. Loosely tightened connectors result in excessive voltage drop, inefficient operation, and may cause overheated wires and melted insulation.

Check the wattage of your appliance. Only use appliances with a wattage less than 300W normal output and 600W surge output.

To use, insert the plug from your appliance into the AC socket and switch the inverter on.

The LED light will illuminate to confirm AC power is present.

The inverter is fitted with a low battery buzzer and cut off.

If the inverter makes a beeping sound, turn off your appliance, unplug the inverter and re-start the engine in your vehicle. The beeping sound indicates the battery voltage is getting low. If you do not re-start your engine the inverter will continue operating and will automatically shut off at about 10V to prevent damage to the battery.

To avoid a flat battery we recommend running your engine for 10 - 20 minutes to recharge the battery after every 2 - 3 hours of inverter use.

SAFETY PRECAUTIONS.

WARNING! Do not incorrectly connect the DC wiring eg. reverse polarity, as this will damage your inverter.

This inverter carries high voltage the same as the electrical outlets in your home.

- Do not open the case of the inverter.
- Do not operate the inverter in or around water
- Do not operate the inverter or any appliance with wet hands.

Failure to observe the above may result in electric shock and or death. This appliance is not intended for use by young children or infirm persons without supervision. Your children should be supervised to ensure they do not play with the appliance.

- Do not connect the inverter to another AC source.
- Use in a well ventilated location.
- Keep away from flammable substances.

UNPLUG THE INVERTER WHEN NOT IN USE.

Troubleshooting.

If the inverter does not appear to be functioning properly check:

- Poor contacts. Check and clean all DC contacts.
- Battery voltage is low. Check battery voltage and recharge (or start engine to recharge).
- Unit shuts down on overload. Reduce wattage of your load. Note that some appliances require a high surge current to start the load. This inverter has a high surge rating to cope with most difficult loads.
- Thermal shutdown. Under heavy loads for extended periods of time, and in very hot environments the inverter will shutdown to prevent damage from excess heat. Allow the inverter to cool down and reduce your load.

Specifications

Output voltage:	240V AC
Output power:	300W
Output surge power:	1000W
Regulation:	6%
THD:	5%
Output wave form:	Modified sine wave
Efficiency:	>90%
DC Input voltage:	12V DC
Input no load current draw:	<0.5A
Battery low alarm:	10.5±0.5V DC
Battery low/high shutdown:	10±0.5V DC / 15.5V DC
AC overload shutdown:	Yes
Thermal shutdown:	60°C±5°C
USB output:	5V DC / 2A max
Internal DC fuses:	Yes
Heat dissipation:	Fan
Dimensions:	178 x 91 x 64mm
Weight:	0.7kg

NOT FIELD SERVICEABLE.

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Ph. 1300 780 999 Fax 1300 790 999

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