

POWER INVERTER

POWER INVERTER LIMITADA

Address: Pje. Enrique Campino 763, La Florida Santiago - CHILE

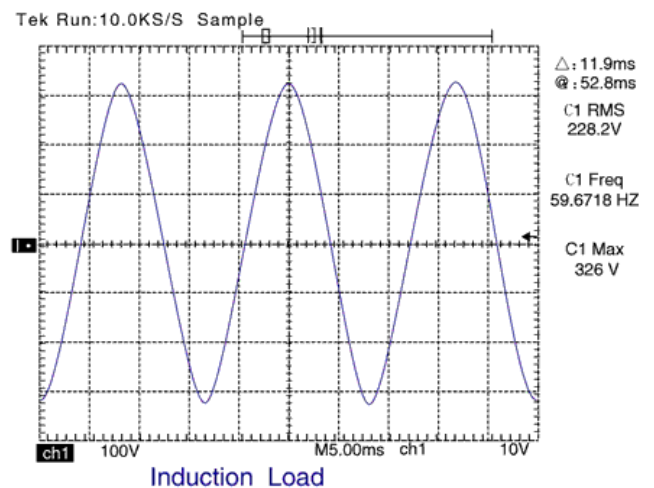
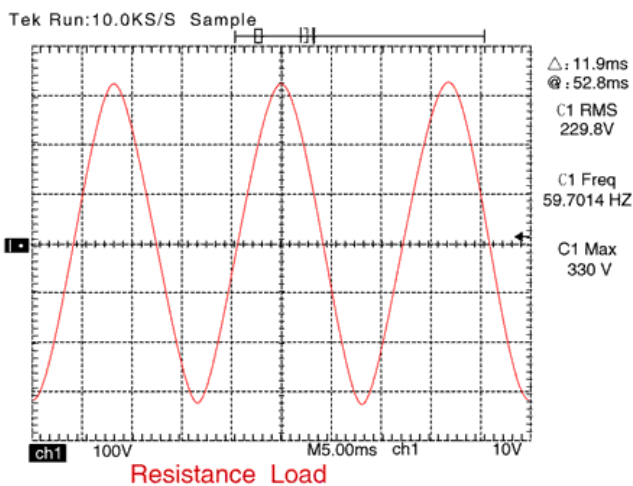
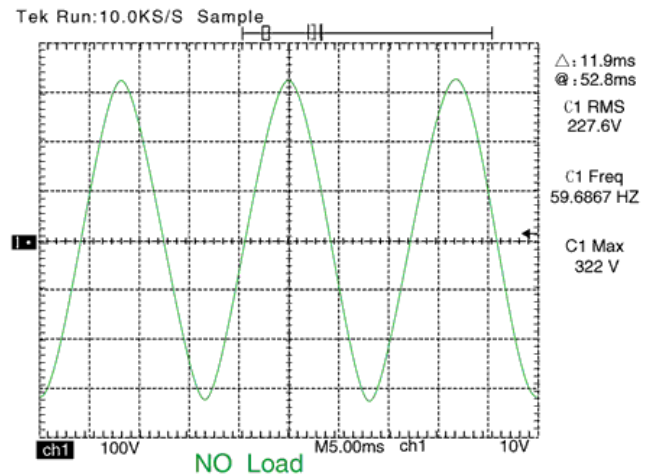
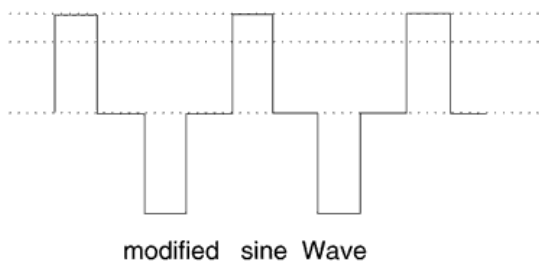
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INVERTER HIGH FREQUENCY
modified sine wave **Compare** pure sine wave



Power Inverter Limitada, dirección Pasaje Enrique Campino 763,
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POWER INVERTER

Pure Sine Wave Power Inverter Can Run Appliances Details				
Type/specification	1500W	2500W	5000W	8000W
Fluorescent Light	Not Over 20Watt	Not Over 40Watt	Not Over 80Watt	Not Over 100Watt
Halogen Lamp	X	X	Not Over 50Watt	Not Over 100Watt
Energy Saving Light	Not Over 300Watt	Not Over 500Watt	Not Over 1000Watt	Not Over 1500Watt
Flash Light	Not Over 100Watt	Not Over 150Watt	Not Over 250Watt	Not Over 300Watt
Drill	Not Over 300Watt	Not Over 500Watt	Not Over 1000Watt	Not Over 1600Watt
Vacuum Cleaner	X	Not Over 300Watt	Not Over 700Watt	Not Over 1000Watt
Air Conditioner	X	Not Over 500Watt	Not Over 1000Watt	Not Over 1200Watt
Hair Dryer	Not Over 500Watt	Not Over 800Watt	Not Over 1200Watt	Not Over 1500Watt
Motor	X	Not Over 50Watt	Not Over 150Watt	Not Over 200Watt
Refrigerator/Freezer	X	Not Over 100Watt	Not Over 200Watt	Not Over 300Watt
Air/Water Pump	X	Not Over 100Watt	Not Over 500Watt	Not Over 1000Watt
Kettle	X	X	X	X
Coffee Machine	X	Not Over 200Watt	Not Over 500Watt	Not Over 800Watt
Grinder/Saw	X	X	X	X
TV	Not Over 100Watt	Not Over 200Watt	Not Over 500Watt	Not Over 800Watt
Pap Machine	Not Over 100Watt	Not Over 200Watt	Not Over 500Watt	Not Over 1000Watt
Microwave Oven	X	X	X	X
Heater/Water Heater	Not Over 100Watt	Not Over 200Watt	Not Over 800Watt	Not Over 1200Watt
Washing Machine	X	X	X	X
Air Compressor	X	X	X	X
Induction Cooker	X	X	X	X

NOTE: If your machine is 1000W, then the battery need 1000W/12V≈83A x 3 times≈250A
For 100W TV, need 3000W power inverter. For 100W ~ 200W TV, need 5000W power inverter.
For example: the inside degaussing coil on 100W TV will make the surge power up to 20A

Because some appliances have instant power or motor, when use our power inverter must pay a attention for some points as follow

1. It is better to use pure sine wave power inverter to connect with the TV, not modified power inverter.

2. It is better not use our power inverter connect with the fluorescent (lamp). There are two kinds of fluorescent, one is inductance type: when turn on switch, the light can on after one second or more and some also with buzz, this light has instant high voltage and it is more than 700v and even more than 1000v; another one is electronic type, it also has instant current and can be more than 700 Ah.

It only can use our power inverter to run the bulk.

3. if want to run the machine like washing machine ,refrigerator or water pump, coffee grinder or kettle which have a motor ,then need to use more than 15 times to 20. times power of them, because they all have instantaneous power when turn on.

Attention

1. Fluorescent Lamps:

When switching on fluorescent lamps or tubes the inductive tensions can develop some of thousand Volt. Therefore you must let insert a connecting starter.

2. Additional 110v Alternating Current Generator:

You need a special switching device that it comes no damage to the Power Inverter.

3. Cigarette Lighter Plug:

The plugs are made only for an output up to 200 Watt. Please don't use Inverter and Appliances which have a higher operating level.

How much Power should have the Inverter?

Calculation:

If the label of your electrical appliance does not shows the Watt, but you know the Amp (A), you can calculate the Watt with following formula:

$$\text{Ampere (A)} \times \text{Volt} * (V) = \text{Watt}$$

(*230 Volt Europe, 240 Volt Australia, 110 Volt America)

All Television Sets, Monitors, Notebooks, Coolers, Pumps, Machine Tools and many further inductive devices have an extremely high short term starting current.

Example:

If your TV equipment indicated an output of 150 Watt, the starting current can be up to 10 times. This would mean, that you must select a Power Inverter, which can accept a short term maximum performance of 1500 Watt.

Please absolutely pay attention to this important factor and order none to weak Inverter for your equipment.

Because it could damage the inverter and your appliance !!!

If you want to use our Power Inverter with a special Appliance, please ask us first !!!

Note

1. If you use too big appliance than the inverter's power, the fuse will be burned, just replace the fuse by yourself, this will not including the warranty.
2. when you replace the fuse, pls do not use the appliance again, it means the appliance is over load power than the inverter.
3. when you want use the engine, motor any heavy power appliances, air pump, pls ask us before using, as some heavy power tools, it's 10 to 20 times power than the appliance mentioned.

Pure Sine Wave Power Inverter Specification

Type/specification(W)	500	800	1500	2500	3500	5000	8000
Peak power(W)/5 ms	1000	1600	3000	5000	7000	10000	16000
Converting efficiency (%)	87±1	87±1	87±1	87±1	87±1	87±1	87±1
Input voltage (12V/DC)	11-15	11-15	11-15	11-15	11-15	11-15	11-15
Input voltage (24V/DC)	22-30	22-30	22-30	22-30	22-30	22-30	22-30
Input voltage (48V/DC)	42-59	42-59	42-59	42-59	42-59	42-59	42-59
Euro Output(V/AC)marked 220v	220-240	220-240	220-240	220-240	220-240	220-240	220-240
USA Output(V/AC)marked 110v	90-120	90-120	90-120	90-120	90-120	90-120	90-120
No load current(A)	<0.7	<0.7	<0.7	<0.7	<0.7	<0.7	<0.7
Regulation	±5%	±5%	±5%	±5%	±5%	±5%	±5%
Distortion	2%	2%	2%	2%	2%	2%	2%
Output Wave Form	Pure Sine Wave	Pure Sine Wave	Pure Sine Wave	Pure Sine Wave	Pure Sine Wave	Pure Sine Wave	Pure Sine Wave
Weight(kg)	1.5	2.5	4.5	6.5	7	8.5	11
Dimension(L*W*H/cm)	25*15*8	25*16*8	35*20*8	41*23*8	45*27*16	45*27*16	65*23*16
Over temperature protection(°C)	55±5	55±5	55±5	55±5	55±5	55±5	55±5
N. operating ambient temperature (°C)	-60	-60	-60	-60	-60	-60	-60
Input Low Voltage Protection	yes	yes	yes	yes	yes	yes	yes
Input Reverse Polarity	yes	yes	yes	yes	yes	yes	yes
circuit protection	yes	yes	yes	yes	yes	yes	yes
Overload protection	yes	yes	yes	yes	yes	yes	yes
Short circuit protection	yes	yes	yes	yes	yes	yes	yes



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