

Power Inverters - Modified Sinewave



**ECONOMY
+ POWER
to move
your world**

KISAE Modified sinewave power inverters convert 12V DC battery power into household AC power. This type of power inverter offers an electronically produced “stepped” waveform, which is very capable and will work very well for powering many applications where sensitivity is not a factor. They represent the most common type of inverter sold on the market today, mostly due to their lower in-store purchase price. KISAE offers a wide range of modified sinewave inverter power levels.



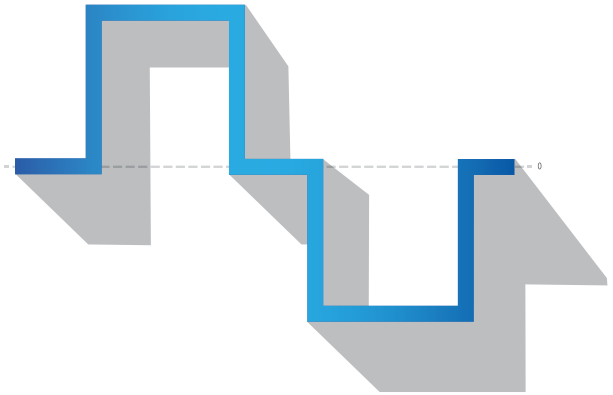
ECONOMIC VALUE

Modified sinewave power inverters will power many loads quite well, and cost less to produce than True sinewave power inverters. For simple applications, stretch your dollar and opt for a modified sinewave power inverter.



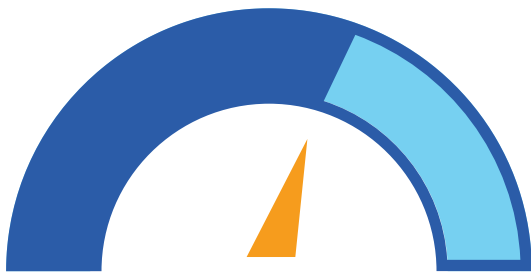
MODIFIED SINEWAVE

This type of power inverter offers an electrically produced 'stepped' waveform, which is very capable and will work well for powering many common applications where 'load sensitivity' is not a factor. They represent the most common type of inverter sold on the market today, mostly because of their lower cost. Power levels offered by KISAE range from 400 watts to 3000 watts.



HIGH START-UP SURGE

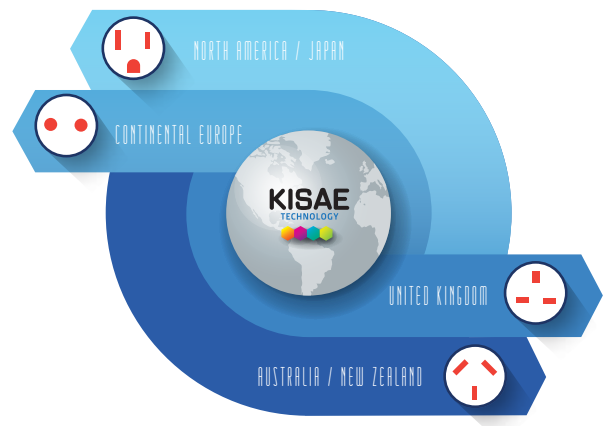
KISAE's modified sinewave line of power inverters feature unique surge technology that results in a power boost on start-up sufficient to start even the most demanding of loads.



The high start-up surge of KISAE's larger inverter products will allow the use of large power tools, full size microwave ovens toasters, hair dryers, and other high current-draw appliances, as well as motor loads such as refrigerators and pumps.

INTERNATIONAL AC OUTPUT SOCKETS

KISAE inverters can be configured with a variety of AC sockets used throughout the globe. GFCI outlets are standard equipment on all 120VAC versions. KISAE will accommodate the request for a specific AC socket designated for any country.



Power Inverters

Modified Sine Wave Output - MW Series

Regulatory Approved

Commercial / Residential / Leisure Use



Modified Sinewave Power Inverters	120 VAC Series			
	MW 1204	MW 1210	MW 1215	MW 1230HW

AC Output

Power (Continuous)	400W	1000W	1500W	3000W
Power (Peak)	800W	2000W	3000W	6000W
Voltage/Frequency	120VAC / 60 Hz	120VAC / 60 Hz	120VAC / 60 Hz	120VAC / 60 Hz
Current	3.3A	8.3A	12.5A	25.0A
Waveform	Modified Sine Wave	Modified Sine Wave	Modified Sine Wave	Modified Sine Wave
Peak Efficiency	90%	90%	90%	90%
AC Receptacle	NEMA 5-15	NEMA 5-15 (GFCI)	NEMA 5-15 (GFCI)	NEMA 5-20 (GFCI)
DC Output 5V USB Output	N/A	750mA	750mA	2.1A

DC Input

Voltage (Nominal)	12.5Vdc	12.5Vdc	12.5Vdc	12.5Vdc
Operation Range	10.5 - 15.5Vdc	10.5 - 15.5Vdc	10.5 - 15.5Vdc	10.5 - 15.5Vdc
Inverter Standby Current	< 0.3A	< 0.6A	< 0.6A	< 1.2A

Display Panel

Indicator	Power, Fault	Status	Status	Status, Display
Digital Display (LED)	Not Applicable	Input Voltage, Output Power, Warning and Error Code		

Protection

Input Undervoltage Shutdown	10.5Vdc	10.5Vdc	10.5Vdc	10.5Vdc
Input Overvoltage Shutdown	15.5Vdc	15.5Vdc	15.5Vdc	15.5Vdc

Regulatory Compliance

Markings	cETLus	cETLus	cETLus	cETLus
Conformance	UL & CSA Standards	UL & CSA Standards	UL & CSA Standards	UL & CSA Standards



*230V versions also available.

Enclosure

Weight	1.6 lbs.	5.3 lbs.	6.9 lbs.	12.8 lbs.
Dimension	4 x 6 x 2"	12.3 x 6.9 x 3.4"	15 x 6.9 x 3.4"	19.2 x 9 x 4.5"



DC - AC Power Inverters

System Diagram

Modified Sine Wave Output

Commercial / Recreational Use



USA



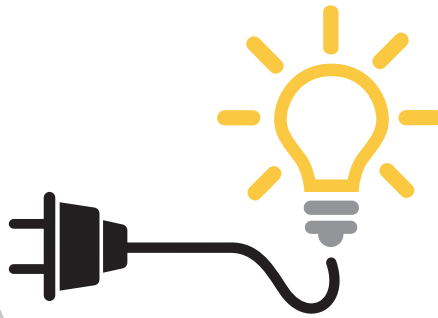
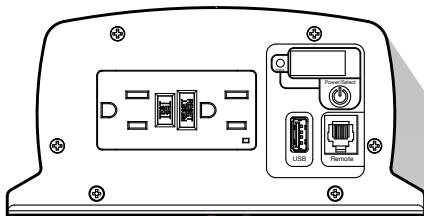
UK



EU



AU/NZ



AC Output
to Power
Onboard
AC Loads

