

# Power Inverters - True Sinewave



## Premium Output To Run Your Loads

All modern electronics are designed to run on electricity using a True (Pure) sine waveform, the most reliable waveform available. It is the same waveform the utility company supplies to your home and business. This waveform appears graphically as a smooth wave with peaks and valleys. KISAE True sinewave inverters provide power with very low harmonic distortion, noise or excess heat. These inverters are the preferred choice for powering "sensitive loads" like onboard electronics and demanding motor loads. Some appliances also require a True sinewave to run properly. These include: digital clocks, light dimmers, variable speed motors, flat screen TVs, video game consoles, battery chargers and audio/visual equipment. Because of their advanced features and benefits, True sinewave inverters represent a premium purchase choice.



# Power Inverters

True Sine Wave Output - SW Series  
 Regulatory Approved  
 Commercial / Residential / Leisure Use



Power Inverter	120 VAC Series			230 VAC Series		
	SW 1204	SW 1210	SW 1220	SW 1204i	SW 1210i	SW 1220i

## AC Output

Power (Continuous)	400W	800W	2000W	400W	1000W	2000W
Power (Peak)	800W	1600W	4000W	800W	1600W	4000W
Voltage/Frequency	120VAC / 60 Hz	120VAC / 60 Hz	120VAC / 60 Hz	230VAC / 50 Hz	230VAC / 50 Hz	230VAC / 50 Hz
Current	3.3A	8.3A	16.6A	1.7A	4.3A	8.7A
Waveform	True Sine Wave (<3% THD)	True Sine Wave (<3% THD)	True Sine Wave (<3% THD)	True Sine Wave (<3% THD)	True Sine Wave (<3% THD)	True Sine Wave (<3% THD)
Peak Efficiency	90%	90%	90%	90%	90%	90%
AC Receptacle	NEMA 5-15	NEMA 5-15 GFCI	NEMA 5-20 GFCI	Euro, Australia, UK	Euro, Australia, UK	Euro, Australia, UK

## DC Output

5V USB Output	750mA	2.1A	2.1A	750mA	2.1A	2.1A
---------------	-------	------	------	-------	------	------

## DC Input

Voltage (nominal)	12.5Vdc	12.5Vdc	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	10.5 - 15.5Vdc	10.5 - 15.5Vdc
Current (no load)	< 0.3A	< 1.2A	< 1.2A	< 0.8A	< 1.2A	< 1.2A

## Display Panel

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

## Protection

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

## Regulatory Compliance

Markings	cETLus	cETLus	cETLus	CE	CE	CE
Conformance	UL & CSA Standards	UL & CSA Standards	UL & CSA Standards	LVD, EMC	LVD, EMC	LVD, EMC



## Enclosure

Weight	3.8 lbs.	6.0 lbs.	11.5 lbs.	1.7 Kg	2.7 Kg	5.2 Kg
Dimension	10.5 x 6.2 x 10.0"	10.5 x 6.2 x 10.0"	14.5 x 10.5 x 14.0"	270 x 160 x 260mm	270 x 160 x 260mm	365 x 370 x 355mm



## Accessory (Optional)

Remote ON/OFF switch	
----------------------	--

# Power Inverters

True Sine Wave Output with Transfer Switch - SWXFR Series  
 Regulatory Approved  
 Commercial / Residential / Leisure Use



SWXFR Series	120 VAC Series			230 VAC Series		
	SWXFR 1210	SWXFR 1220	SWXFR 1230	SWXFR 1210i	SWXFR 1220i	SWXFR 1230i

## AC Output

Power (Continuous)	1000W	2000W	3000W	1000W	2000W	3000W
Power (Peak)	2000W	4000W	6000W	2000W	4000W	6000W
Voltage/Frequency	120VAC / 60 Hz	120VAC / 60 Hz	120VAC / 60 Hz	230VAC / 50 Hz	230VAC / 50 Hz	230VAC / 50 Hz
Current	8.3A	16.6A	25.0A	4.3A	8.7A	13.0A
Waveform	True Sine Wave (<3% THD)	True Sine Wave (<3% THD)	True Sine Wave (<3% THD)	True Sine Wave (<3% THD)	True Sine Wave (<3% THD)	True Sine Wave (<3% THD)
Peak Efficiency	90%	90%	90%	90%	90%	90%
AC Receptacle	NEMA 5-15 GFCI	NEMA 5-20 GFCI	NEMA 5-20	Euro, Australia, UK	Euro, Australia, UK	Euro, Australia, UK

## DC Output

5V USB Output	2.1A	2.1A	2.1A	2.1A	2.1A	2.1A
---------------	------	------	------	------	------	------

## DC Input

Voltage (nominal)	12.5 Vdc	12.5 Vdc	12.5 Vdc	12.5 Vdc	12.5 Vdc	12.5 Vdc
Operation Range	10.5 - 15.5Vdc	10.5 - 15.5Vdc	10.5 - 15.5Vdc	10.5 - 15.5Vdc	10.5 - 15.5Vdc	10.5 - 15.5Vdc
Current (no load)	< 1.5A	< 1.5A	< 1.5A	< 1.5A	< 1.5A	< 1.5A

## AC Transfer Switch

Transfer Time	< 30ms	< 30ms	< 30ms	< 30ms	< 30ms	< 30ms
Transfer Relay Rating	30A	30A	30A	16A	16A	16A

## Display Panel

Indicator	Status	Status
Digital Display (LED)	Input Voltage, Output Power, Warning, Error Code	Input Voltage, Output Power, Warning, Error Code

## Protection

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

## Regulatory Compliance

Markings	cETLus	cETLus	cETLus	CE	CE	CE
Conformance	UL & CSA Standards	UL & CSA Standards	UL & CSA Standards	LVD, EMC	LVD, EMC	LVD, EMC

## Enclosure

Weight	11 lbs.	13.0 lbs.	15.4 lbs.	4.9 Kg	5.8 Kg	6.9 Kg
Dimension	17 x 9 x 4.5"	17 x 9 x 4.5"	21 x 9 x 4.5"	435 x 230 x 115mm	435 x 230 x 115mm	539 x 230 x 115mm

