

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.



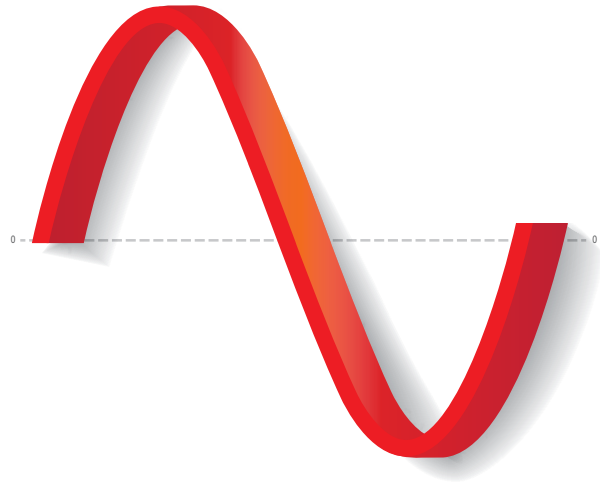
REGULATORY APPROVED

KISAE True sinewave power inverters have been tested and approved to meet cETLus regulatory standards in North America and CE standards for Europe.



BEST WAVEFORM FOR YOUR EQUIPMENT

All electronic equipment is designed to operate with true sinewave, which is what the utility companies provide. Loads connected to KISAE's true sinewave inverters will perform better, audio/video applications will run cooler, and motor loads will run at optimal efficiency, meaning potentially longer equipment life.



TRANSFER SWITCH VERSIONS: SWXFR LINE

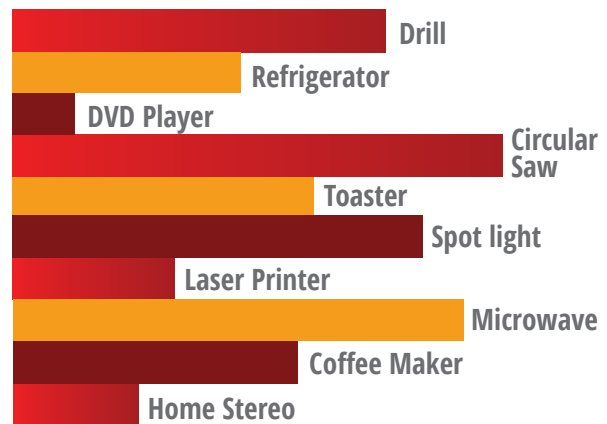
Provide the ability to switch automatically between shore power and inverter/battery power with an integrated transfer switch. All transfer switch models feature AC hard-wire capability directly into your boat or caravan electrical wiring using a terminal strip.



The integrated transfer switch will seamlessly transfer between AC shore power and DC battery power in a mere 30 milliseconds, a speed so quick it will not shutdown computers, timers or digital clocks.

VARIETY OF POWER LEVELS AVAILABLE

KISAE offers a variety of power inverter sizes ranging from 400W to 3000W. Since different applications require varying amounts of power, KISAE has a variety of true sine wave inverter models to fit your particular application and budget.



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
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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	
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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

	SWXFR 1210	SWXFR 1220	SWXFR 1230	SWXFR 1210i	SWXFR 1220i	SWXFR 1230i
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

	SWXFR 1210	SWXFR 1220	SWXFR 1230	SWXFR 1210i	SWXFR 1220i	SWXFR 1230i
5V USB Output	2.1A	2.1A	2.1A	2.1A	2.1A	2.1A

DC Input

	SWXFR 1210	SWXFR 1220	SWXFR 1230	SWXFR 1210i	SWXFR 1220i	SWXFR 1230i
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

	SWXFR 1210	SWXFR 1220	SWXFR 1230	SWXFR 1210i	SWXFR 1220i	SWXFR 1230i
Transfer Time	< 30ms	< 30ms	< 30ms	< 30ms	< 30ms	< 30ms
Transfer Relay Rating	30A	30A	30A	16A	16A	16A

Display Panel

Indicator	120 VAC Series	230 VAC Series
Digital Display (LED)	Status Input Voltage, Output Power, Warning, Error Code	Status Input Voltage, Output Power, Warning, Error Code

Protection

	SWXFR 1210	SWXFR 1220	SWXFR 1230	SWXFR 1210i	SWXFR 1220i	SWXFR 1230i
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	SWXFR 1210	SWXFR 1220	SWXFR 1230	SWXFR 1210i	SWXFR 1220i	SWXFR 1230i
Conformance	cETLus UL & CSA Standards	cETLus UL & CSA Standards	cETLus UL & CSA Standards	CE LVD, EMC	CE LVD, EMC	CE LVD, EMC

Enclosure

	SWXFR 1210	SWXFR 1220	SWXFR 1230	SWXFR 1210i	SWXFR 1220i	SWXFR 1230i
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



Power Inverters

24 Volt, True Sine Wave Output - SW Series

Regulatory Approved

Commercial / Residential / Leisure Use



Power Inverter	120 VAC Series			230 VAC Series		
	SW 2405	SW 2410	SW 2420	SW 2405i	SW 2410i	SW 2420i

AC Output

	SW 2405	SW 2410	SW 2420	SW 2405i	SW 2410i	SW 2420i
Power (Continuous)	400W	1000W	2000W	400W	1000W	2000W
Power (Peak)	800W	2000W	4000W	800W	2000W	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 GFCI	NEMA 5-15 GFCI	NEMA 5-20 GFCI	Euro, Australia, UK	Euro, Australia, UK	Euro, Australia, UK

DC Output

	SW 2405	SW 2410	SW 2420	SW 2405i	SW 2410i	SW 2420i
5V USB Output	750mA	2.1A	2.1A	750mA	2.1A	2.1A

DC Input

	SW 2405	SW 2410	SW 2420	SW 2405i	SW 2410i	SW 2420i
Voltage (nominal)	25Vdc	25Vdc	25Vdc	25Vdc	25Vdc	25Vdc
Operation Range	21 - 31Vdc	21 - 31Vdc	21 - 31Vdc	21 - 31Vdc	21 - 31Vdc	21 - 31Vdc
Current (no load) Pwr Save OFF	0.5A	0.8A	0.8A	0.5A	0.8A	0.8A
Current (no load) Pwr Save ON	0.15A	0.3A	0.3A	0.15A	0.3A	0.3A

Display Panel

	SW 2405	SW 2410	SW 2420	SW 2405i	SW 2410i	SW 2420i
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

	SW 2405	SW 2410	SW 2420	SW 2405i	SW 2410i	SW 2420i
Input Undervoltage Shutdown	21.0Vdc	21.0Vdc	21.0Vdc	21.0Vdc	21.0Vdc	21.0Vdc
Input Undervoltage Recovery	23.6Vdc	23.6Vdc	23.6Vdc	23.6Vdc	23.6Vdc	23.6Vdc

Regulatory Compliance

	SW 2405	SW 2410	SW 2420	SW 2405i	SW 2410i	SW 2420i
Markings	cETLus	cETLus	cETLus	CE	CE	CE
Conformance	Conforms to UL & CSA standards	Conforms to UL & CSA standards	Conforms to UL & CSA standards	LVD, EMC	LVD, EMC	LVD, EMC



Enclosure

	SW 2405	SW 2410	SW 2420	SW 2405i	SW 2410i	SW 2420i
Weight	31 lbs.	34.3 lbs.	76 lbs.	14.1 Kg	15.6 Kg	35.4 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	
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DC - AC Power Inverters

System Diagram

True Sine Wave Output

Commercial / Recreational Use



USA



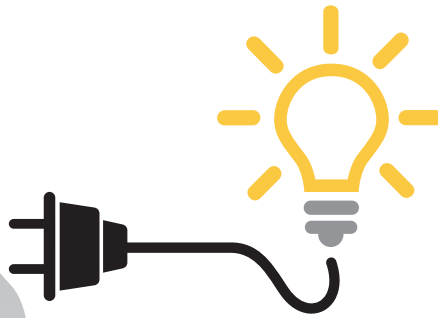
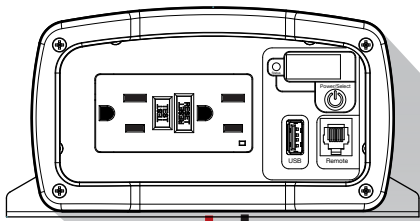
UK



EU



AU/NZ



AC Output
to Power
Onboard
AC Loads

