



KISAE Abso Inverter-Chargers

Integrated technology in a single package

KISAE Abso inverter-chargers convert 12V battery power to True Sine Wave AC household power, allowing you to run loads up to 3000 watts. Available in both high and low frequency variants, they feature a built-in multi-stage charger to ensure batteries are recharged safely and efficiently, a low battery alarm and shutdown to prevent total battery discharge, an overload and over-temperature shutdown to ensure that the inverter will not become overheated or subjected to power demands beyond its rated capability, AND an integrated transfer switch with supplementary breaker. This provides for a smooth transition between shore power and battery power, while the automatic AC load sensing feature will ensure battery capacity is maximized.

The product's efficient design and compact footprint allows for installation in a variety of locations. The digital display can be mounted anywhere for convenient remote control. The Abso inverter/charger is designed to offer reliable AC power and battery charging to boats, RVs, trucks, residential homes and cabins.



Abso Inverter-Chargers



True Sine Wave Output

Low Frequency Designs

Commercial / Residential / Leisure Use

Inverter-Chargers (Low Frequency)	120 VAC Series		230 VAC Series	
	IC 1220100	IC 1230150	IC 1230150i	IC 244090i

AC Output

AC Output Power (Continuous)	2000W	3000W	3000W	3500W
AC Output Power (Peak)	4000W	6000W	6000W	7000W
AC Output Voltage/Frequency	120VAC / 60 Hz	120VAC / 60 Hz	230VAC / 50 Hz	230VAC / 50 Hz
AC Output Current	17A	25A	13.0A	15.2A
AC Output Waveform	True Sine Wave (<3% THD)			
Peak Efficiency	90%	90%	90%	90%

DC Input

Voltage (Nominal)	12.5Vdc	12.5Vdc	12.5Vdc	25.0Vdc
Operation Range	10.5 - 16.5Vdc	10.5 - 16.5Vdc	10.5 - 16.5Vdc	21.0 - 33.0Vdc
Inverter Standby Current	< 3.5A	< 3.5A	< 3.5A	< 2.5A

Protection

Input Undervoltage Shutdown	10.5Vdc	10.5Vdc	10.5Vdc	21.0Vdc
Inverter Overvoltage Shutdown	16.5Vdc	16.5Vdc	16.5Vdc	33.0Vdc

Display Panel

Indicator	Battery Power, Charging, Fault			
Digital Display (LCD)	Input Voltage, Output Power, Error Message			

Battery Charger

Charger Voltage Range	14.2 - 16.0Vdc	14.2 - 16.0Vdc	14.2 - 15.5Vdc	28.4 - 32.0Vdc
Float Voltage Range	13.4 - 13.8Vdc	13.4 - 13.8Vdc	13.4 - 13.8Vdc	26.8 - 27.6Vdc
Charger Current	100A	150A	150A	90A
Charger Battery Type	Gel, Flooded, AGM	Gel, Flooded, AGM	Gel, Flooded, AGM	Gel, Flooded, AGM
AC Input Voltage/Frequency	120VAC / 60Hz	120VAC / 60Hz	230VAC / 50Hz	230VAC / 50Hz

AC Transfer Switch

Transfer Time	< 20ms	< 20ms	< 20ms	< 20ms
Transfer Relay Rating	30A	30A	20A	20A

Regulatory Compliance

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

Enclosure

Weight	51.9 lbs.	66.4 lbs.	30.2 Kg	30.2 Kg
Dimension	15.4 x 13.4 x 7.8"	15.4 x 13.4 x 7.8"	392 x 340 x 197mm	392 x 340 x 197mm



IC 1220100 : 2000W Sinewave Inverter with 100A Charger



IC 1230150 : 3000W Sinewave Inverter with 150A Charger



IC 1230150i : 3000W Sinewave Inverter with 150A Charger



IC 1244090i : 3500W Sinewave Inverter with 90A Charger