



# 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  
High Frequency Designs  
Commercial / Residential / Leisure Use

Inverter-Charger (High Frequency)	120 VAC Series		230 VAC Series	
	IC 121040	IC 122055	IC 121040i	IC 122055i

### AC Output

	IC 121040	IC 122055	IC 121040i	IC 122055i
AC Output Power (Continuous)	1000W	2000W	1000W	2000W
AC Output Power (Peak)	2000W	4000W	2000W	4000W
AC Output Voltage/Frequency	120VAC / 60 Hz	120VAC / 60 Hz	230VAC / 50 Hz	230VAC / 50 Hz
AC Output Current	8.3A	16.6A	4.3A	8.7A
AC Output Waveform	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%

### DC Input

	IC 121040	IC 122055	IC 121040i	IC 122055i
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	< 1.5A	< 1.5A	< 1.5A	< 1.5A

### Protection

	IC 121040	IC 122055	IC 121040i	IC 122055i
Input Undervoltage Shutdown	10.5/11.0Vdc	10.5/11.0Vdc	10.5/11.0Vdc	10.5/11.0Vdc
Inverter Overvoltage Shutdown	15.5Vdc	15.5Vdc	15.5Vdc	15.5Vdc

### Display Panel

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

### Battery Charger

	IC 121040	IC 122055	IC 121040i	IC 122055i
Charger Voltage Range	13.5 - 14.4V	13.5 - 14.4V	13.5 - 14.4V	13.5 - 14.4V
Floater Voltage Range	13.4 - 13.8V	13.4 - 13.8V	13.4 - 13.8V	13.4 - 13.8V
Charger Current	40A	55A	40A	55A
Charger Battery Type	Gel, Flooded, AGM, Fixed	Gel, Flooded, AGM, Fixed	Gel, Flooded, AGM, Fixed	Gel, Flooded, AGM, Fixed
AC Input Voltage/Frequency	120VAC / 60Hz	120VAC / 60Hz	230VAC / 50Hz	230VAC / 50Hz

### AC Transfer Switch

	IC 121040	IC 122055	IC 121040i	IC 122055i
Transfer Time	< 30ms	< 30ms	< 30ms	< 30ms
Transfer Relay Rating	30A	30A	16A	16A

### Regulatory Compliance

Markings	IC 121040	IC 122055	IC 121040i	IC 122055i
Conformance	cETLus UL & CSA Standards	cETLus UL & CSA Standards	CE LVD, EMC	CE LVD, EMC

### Enclosure

Weight	IC 121040	IC 122055	IC 121040i	IC 122055i
Dimension	12.5 lbs. 9.0 x 18.8 x 4.5"	14.5 lbs. 9.0 x 18.8 x 4.5"	5.7 Kg 230 x 478 x 114mm	6.6 Kg 230 x 478 x 114mm



IC 121040 : 1000W Sinewave Inverter with 40A Charger



IC 122050 : 2000W Sinewave Inverter with 55A Charger



IC 121040i : 1000W Sinewave Inverter with 40A Charger



IC 122050i : 2000W Sinewave Inverter with 55A Charger