DRAKE SVO

SPECIAL VEHICLE OPERATIONS

DATASHEET

Kisae Abso 2000W Inverter Charger with 55A Charger - IC122055i

Model IC122055i-EU

SUPPLIED AND SUPPORTED BY

Drake SVO

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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				
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				
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				
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				
Charger Voltage Range	13.5 - 14.4V	13.5 - 14.4V	13.5 - 14.4V	13.5 - 14.4V
Float 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				
Transfer Time	< 30ms	< 30ms	< 30ms	< 30ms
Transfer Relay Rating	30A	30A	16A	16A
Regulatory Compliance				
Markings	cETLus	cETLus	CE	CE
Conformance	UL & CSA Standards	UL & CSA Standards	LVD, EMC	LVD , EMC
Enclosure				
Weight	12.5 lbs.	14.5 lbs.	5.7 Kg	6.6 Kg
Dimension	9.0 x 18.8 x 4.5"	9.0 x 18.8 x 4.5"	230 x 478 x 114mm	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

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