

## TECHNICAL SPECIFICATIONS

### IC122055

120 VAC Output (12V Series)  
2000W Inverter +55A Charger



#### Product features

- High frequency design with high surge capability.
- Multi-stage charging ensures batteries are charged to battery manufacturer's recommendations.
- Microprocessor controlled charging algorithm (Bulk, Absorption, Float) for Gel, AGM, Lithium, Program, Fixed Power Supply and Flooded batteries.
- True sine wave output will run heavy-duty motor loads and sensitive electronics flawlessly.
- Integrated transfer switch.

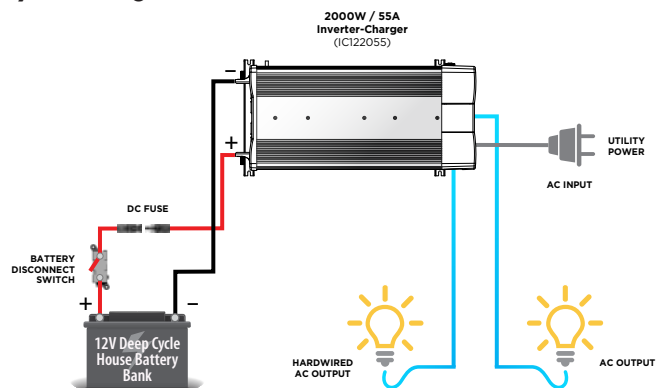
#### Product dimensions

Width: 9.0", Length: 18.8", Height: 4.5" (230mm x 478mm x 114mm)  
Base width: 9.0" / 230mm

Specifications subject to change without notice.

[kisaepower.com](http://kisaepower.com)

#### System diagram



#### Available output options



USA



HARDWIRE

## IC122055

120 VAC Output (12V Series)  
2000W Inverter + 55A Charger

### Inverter

AC Output Power (Continuous)	2000W
AC Output Power (Surge)	4000W (5 seconds)
AC Output (Voltage/Frequency)	120VAC / 60 Hz
AC Output Current	16.6A
AC Output Waveform	True Sinewave (<3% THD)
Peak Efficiency	90%
AC Receptacle	USA (GFCI & Breaker Protected)
DC Output: 5V USB	2.1Vdc
DC Input Voltage (nominal)	12.5Vdc
DC Input Operation Range	10.5 - 15.5Vdc
DC Input Standby Current	< 1.5A

### Battery Charger

Charger Voltage Range	13.5 - 14.4 Vdc
Float Voltage Range	13.4 - 13.8 Vdc
Charger Current (Maximum)	55A
Charger Current Setting (Man/Auto)	5, 10, 30, 55 / Automatic
Charge Control	3-stage (Bulk, Absorption, Float) with equalization
Charger Battery Type	Gel, Flooded, AGM, Lithium, Program, Fixed Power Supply
AC Input Voltage/Frequency	120 VAC / 60Hz
Charger Efficiency	> 80%
Dead Battery Charging	1.0Vdc
Over Charge Protection	Error Code
Over Temperature Protection	De-rated / Shutdown

### AC Transfer Switch

Transfer Time	< 30ms
Transfer Relay Rating	30A
AC Input Port	Heavy Duty Connector 30A
AC Input Source Setting	15, 20, 30A
AC Output Port 1	NEMA 5-15 (15A GFCI & Breaker Protected)
AC Output Port 2	Heavy Duty Connector 30A
AC Output Port 3	15A Heavy Duty Connector (GFCI & Breaker Protected)

### Protection

Input Undervoltage Shutdown	10.5Vdc / 11.0Vdc
Inverter Overvoltage Shutdown	15.5Vdc

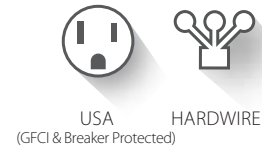
### Display

Display Panel Port	RJ12
Digital Display (LED)	Input Voltage, Output Power Warning and Default Code
LED Indicator	Status, Display

### Regulatory Compliance

Markings	cETLus
Conformance	UL & CSA Standards (UL458/CSA C22.2 No. 107.2-01)
EMI/EMC	FCC Part 15 Class B

### Available output options



### Accessories (optional)

Ignition Start Module	ISRM01
Digital Remote Panel	Not Applicable

### Enclosure

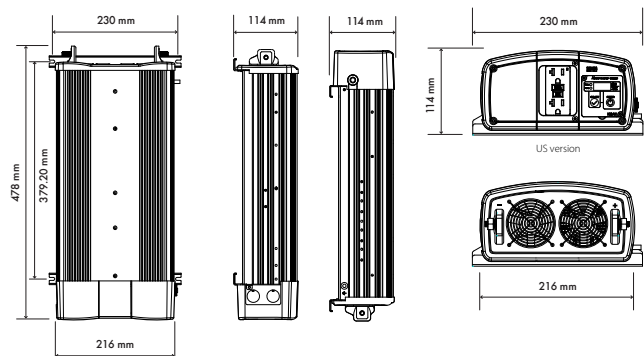
Dimensions (W x L x H)	9.0" x 18.8" x 4.5" / 478mm x 230mm x 114mm
Net Weight	14.5 lbs. / 6.6 Kg

### Schematic Drawings

TOP VIEW

SIDE VIEW

PLAN VIEW



### Standard warranty

1 year warranty



This product carries a cETLus safety certification which complies with the Regulatory safety standards for North America.

All specifications subject to change without notice.  
Copyright © 2019 Kisa Technology Inc. All Rights Reserved under UCC I-207 without prejudice.

To learn more about this and other fine Kisa products please contact:  
[info@kisaetechnology.com](mailto:info@kisaetechnology.com)

[kisaepower.com](http://kisaepower.com)

**Distributor:**