

TECHNICAL SPECIFICATIONS

IC121040

120 VAC Output (12V Series)
1000W Inverter +40A 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.

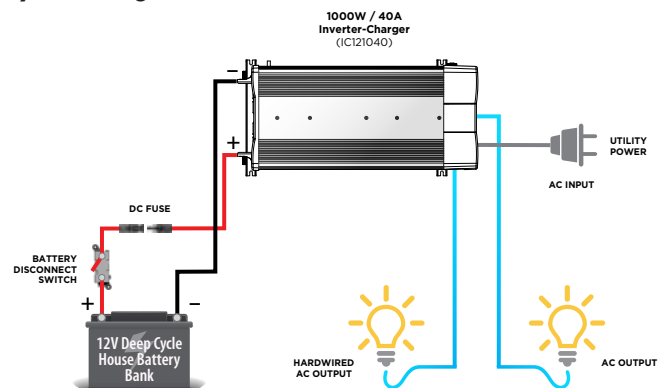
Product dimensions

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

System diagram



Available output options



USA



HARDWIRE

IC121040

120 VAC Output (12V Series)
1000W Inverter +40A Charger

Inverter

AC Output Power (Continuous)	1000W
AC Output Power (Surge)	2000W (5 seconds)
AC Output (Voltage/Frequency)	120VAC / 60 Hz
AC Output Current	8.3A
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)	40A
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

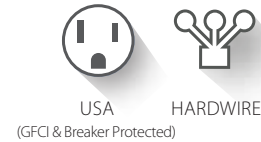
Display

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



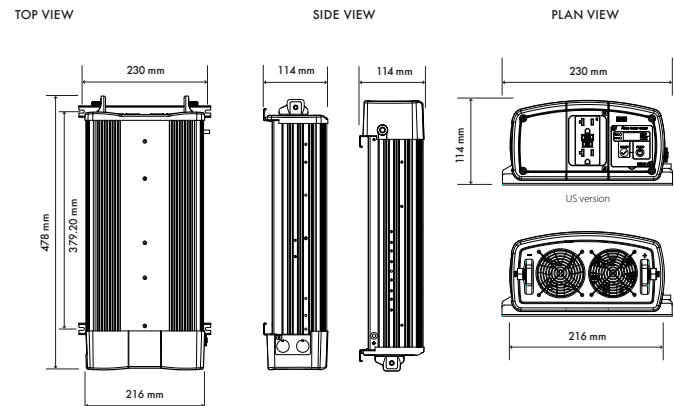
Accessories (optional)

Ignition Start Module	ISRM01
Digital Remote Panel	Not Applicable

Enclosure

Dimensions (W x L x H)	18.8" x 9.0" x 4.6" / 478mm x 230mm x 114mm
Net Weight	12.5 lbs. / 5.7 Kg

Schematic Drawings



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.
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