

## TECHNICAL SPECIFICATIONS

### IC121040i

220-240 VAC Output (12V Series)  
1000W Inverter +40A Charger



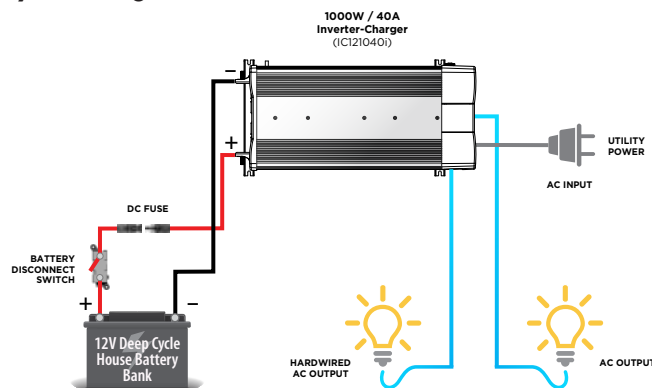
#### Product features

- 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.

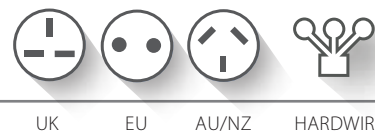
#### Product dimensions

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

#### System diagram



#### Available output options



Specifications subject to change without notice.

## IC121040i

220-240 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)	230VAC / 50 Hz
AC Output Current	4.3A
AC Output Waveform	True Sinewave (<3% THD)
Peak Efficiency	90%
AC Receptacle	UK, EU, AU/NZ
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)	5,10,20,40 / Automatic
Charge Control	3-stage (Bulk, Absorption, Float) with equalization
Charger Battery Type	Gel, Flooded, AGM
AC Input Voltage/Frequency	230 VAC / 50Hz
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	16A
AC Input Port	Heavy Duty Connector, 16A max.
AC Input Source Setting	8, 10, 16A
AC Output Port 1	Schuko, UK, AU/NZ
AC Output Port 2	Heavy Duty Connector, 16A max.

### Protection

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

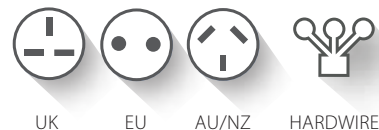
### Display

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

### Regulatory Compliance

Markings	CE, e-Mark
Conformance	LVD, EMC
EMI/EMC	CE EMC

### Available output options



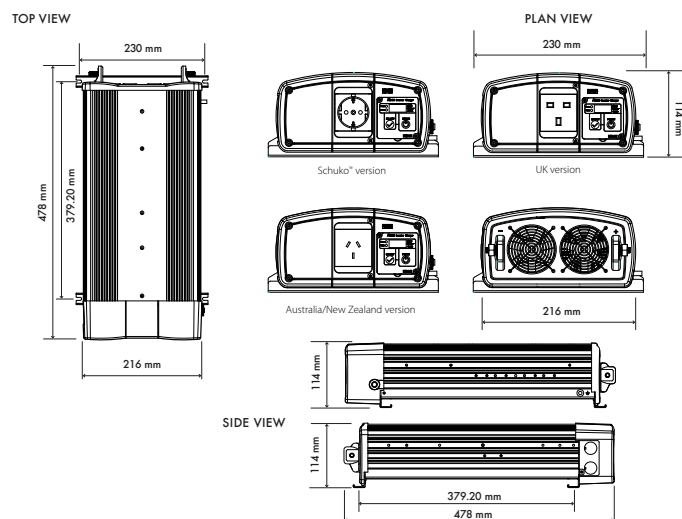
### Accessories (optional)

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	12.5 lbs. / 5.7 Kg

### Schematic Drawings



### Standard warranty

1 year warranty



Certified to meet all  
CE Regulatory approval  
standards in Europe.

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