AIMS Operating Corp., Inc. dba AIMS Power Warranty Instructions:

This product is designed using the most modern digital technology and under very strict quality control and testing guide lines. If however you feel this product is not performing as it should, please contact us:

techsupport@aimscorp.net or (775)359-6703

We will do our best to resolve your concerns. If the product needs repair or replacement, make sure to keep your receipt/invoice, as that will need to be sent back along with the package and RA# prepaid to AIMS. You have a full 1 year from date of purchase warranty.

This warranty is valid world wide with the exception that freight and duty charges incurred outside the contiguous 48 United States will be prepaid by customer.

Except as provided above, AIMS makes no warranty of any kind, express or implied, including without limitation the implied warranties of merchantability and fitness for a particular purpose. In no event shall AIMS be liable for indirect, special or consequential damages. This warranty only applies to AIMS Power branded products. All other name brand products are warranted by and according to their respective manufacturer. Please do not attempt to return non-AIMS Power branded products to AIMS Power.

For additional products such as:

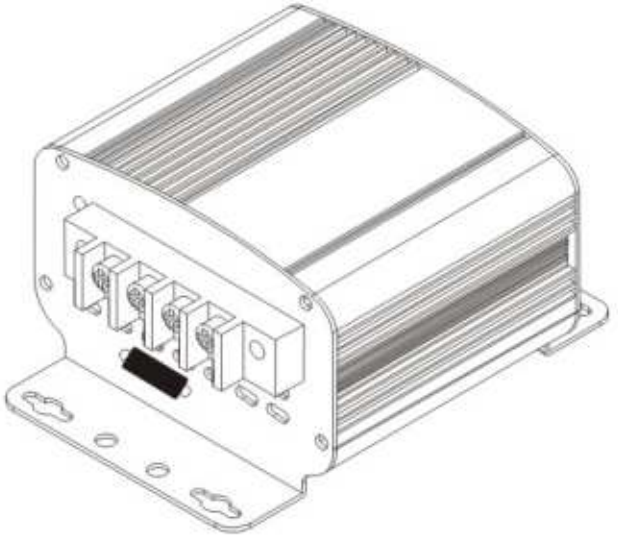
- -Modified sine wave inverters
- -Pure sine wave inverters
- -Low Frequency Inverters
- -Solar Charge Controllers
- -Micro Grid Tied Inverters
- -Inverter Chargers and Automatic transfer switches
- -Converters AC-DC and DC-DC
- -Custom cut cables
- -Batteries
- -Solar Panels & Racks

Please visit our web site: www.aimscorp.net

To find out where to buy any of our products, you may also e-mail: sales@aimscorp.net or call (775)359-6703.

AIMS Power™
a Division of the AIMS Corporation

DC TO DC CONVERTER



USER MANUAL

MODEL NO.: CON5A2412
CON10A2412
CON15A2412
CON20A2412
CON30A2412
CON40A2412

DC 24V BATTERY

Wire Connection Specifications							
		5A	10A	15A	20A	30A	40A
Cable size	Input	>18AWG	>18AWG	>18AWG	>16AWG	>14AWG	>12AWG
	Output	>18AWG	>16AWG	>16AWG	>14AWG	>12AWG	>10AWG
Cable length limit		< 1m or 3 feet					
Terminal type		2-3.7	2-3.7	2-3.7	3-3.7	5-3.7	5-3.7



USER'S MANUAL

Specification						
MODEL NO.	5A	10A	15A	20A	30A	40A
DC Input Voltage	DC 20~37V					
DC Output Voltage	DC12.5~13.5V					
Output Current (Continuous @ 25°C or 77°F)	5A	10A	15A	20A	30A	40A
Output Current (Max.)	6A	12A	18A	24A	36A	48A
Isolation (Primary to Secondary)	NA					
Heat Dissipated	Metal Case	Metal Case and Fan				
DC Input terminal	Terminal					
DC Output terminal	Terminal					
Status LED	Yes	Yes	Yes	Yes	Yes	Yes
Conversion Efficiency	>92%	>91%	>90%	>91%	>90%	>90%
DC Input Low Battery Shutdown	18 ± 1V					
DC Input High Battery Shutdown	>38V					
DC Input Polarity Protection	Fuse					
DC Input Over Current Protection(FUSE)	3A	7.5A	10A	15A	20A	30A
Overtemp Protection	65 ± 5°C or 150±5°F					
DC Output Short Protection	Yes					
DC Output Over Current Protection(above)	6A	12A	18A	24A	36A	48A
DC Output Over Voltage Protection	TVS Diode					
Dimensions (L x W x H)	3.62"x3.39"x2.2" or 9.2x8.6x5.6cm	4.41"x3.39"x2.2" or 11.2x8.6x5.6cm	5.91"x3.39"x2.2" or 15x8.6x5.6cm			
Net Weight	260g / .57Lbs	320g / .71Lbs	412g / .91Lbs	441g / .97Lbs	452g / 1Lbs	463g / 1Lbs

INTSRUCTIONS:

1) Unpack converter and ensure there is no visible damage
2) Make sure you received the proper unit and that the specs meet your requirements (enough capacity for your load)
3) Find a dry and suitable location to mount the converter and ensure you have enough space to mount the wires needed
4) Cut and lug the appropriate AWG wires for your converter and connect to dc inputs and outputs per diagram. Your battery source must be 24Vdc and your load 12Vdc
5) Mount converter
6) Connect load to converter and turn load off
7) Connect the - (negative / black) to the battery source and then your + (positive / red)
8) Final step is to turn on your load and make sure it is working properly

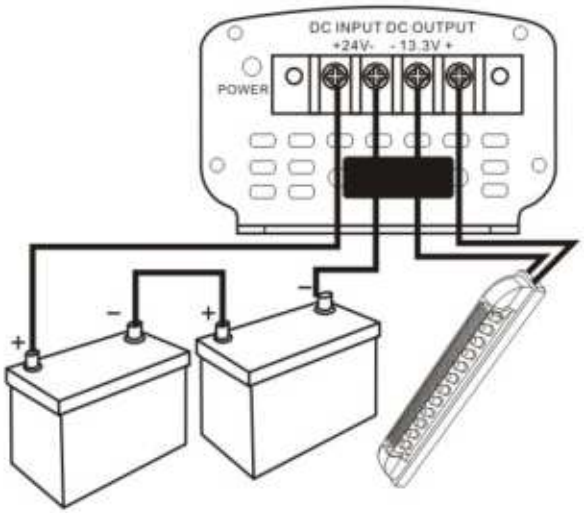
Installation And Operation

Installation requirements

DO not expose the converter to rain, snow, spray, bilge or dust.
To reduce risk of hazard, do not cover or obstruct the ventilation openings.

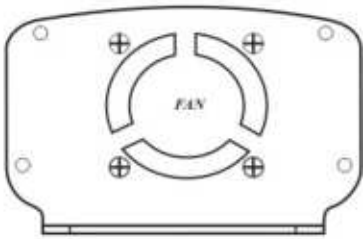
Input and output connection

Front Panel



DC 12V LOAD/APPLIANCE

Rear Panel(FOR 10A~40A)



Rear Panel(FOR 5A)

