

Limited Warranty

ICT Ltd. warrants to the original consumer purchaser that this product shall be in good working order, free from defects in materials and workmanship, for a period of one (1) year from the date of purchase. Should failure occur during the above stated time period, then ICT will, at its option, repair or replace this product at no additional charge except as set forth below. All parts, whether for repair or replacement, will be furnished on an exchange basis. All exchange pieces become the property of ICT. This limited warranty shall not apply if the ICT product has been damaged by unreasonable use, accident, negligence, disaster, service, or modification by anyone other than the ICT factory.

Limited warranty service is obtained by delivering the product during the above stated one (1) year warranty period to an authorized ICT dealer or ICT factory and providing proof of purchase date. If this product is delivered by mail, you will insure the product or assume risk of loss or damage in transit, and prepay shipping charges to the factory.

Every reasonable effort has been made to ensure that ICT product manuals and promotional materials accurately describe ICT product specifications and capabilities at the time of publication. However, because of ongoing improvements and updating of ICT products, ICT cannot guarantee the accuracy of printed materials after the date of publication and disclaims liability for changes, errors or omissions.

If this ICT product is not in good working order, as outlined in the above warranty, your sole remedy shall be repair or replacement as provided above. In no event will ICT be liable for any damages resulting from the use of or the inability to use the ICT product, even if an ICT employee or an authorized ICT dealer has been advised of the possibility of such damages, or for any claim by any other party.

ICT reserves the right to make changes without further notice to any products or documentation for improvement of reliability, function, or design.

ICT Ltd. does not recommend use of its products in life support applications wherein a failure or malfunction of the product may directly or indirectly threaten life or cause injury. The user of ICT products, which are to be used in life support applications as described above, assumes all risks of such use and indemnifies ICT against all damages.



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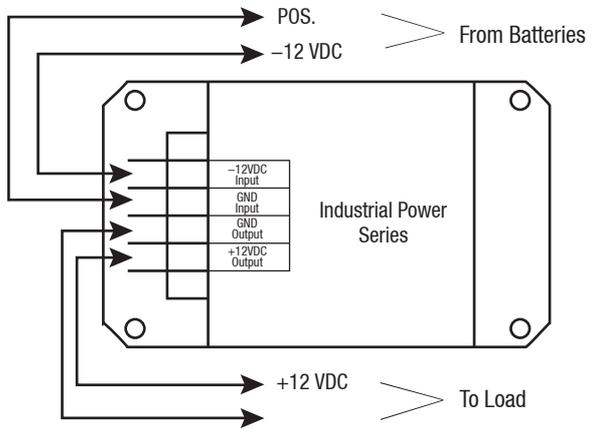
THEPOWEROFRELIABILITY

INSTRUCTION MANUAL 12-12 POSITIVE TO NEGATIVE GROUND CONVERTERS

12-12 Positive to Negative Ground Converters (for all models)

SETUP

1. Mount converter securely
2. Do not apply power until unit is completely wired
3. For best results, wire converter directly to battery using heavy gauge wire



Note: Do not wire output directly to a power source. Paralleling outputs are not recommended. Please contact technical support for application assistance.

TROUBLE SHOOTING

1. Check fuse inside unit, if blown, replace with correct fuse
2. Check for 48 VDC at input while converter is under load
3. Check for erratic voltage conditions at input, which might cause overvoltage circuit to trigger

*Continuous current ratings are for 25¼C ambient temperatures. At higher ambients, derate by 2% per degree C above 25¼ C

	Input Voltage Range	Output Voltage	Output Current (Continuous)	Output Current (Maximum)	Line Regulation	Load Regulation (0.5A-Continuous)	Output Ripple (Maximum)	Overvoltage Protection	Efficiency	Fuse
IC1212-8A	11-18VDC	13.8VDC +/-300mV	7.5 Amps	8.0 Amps	0.70%	0.60%	30mV rms	16.0 VDC	85%	10 Amp
IC1212-12A	11-18VDC	13.8VDC +/-300mV	11.0 Amps	12.0 Amps	0.70%	0.60%	35mV rms	16.0 VDC	85%	15 Amp