

# DC 24V – 12V Voltage Convertor Installation

Nova Code: **POW-201**

## **FEATURES**

- Improved thermal efficiency with unique overheating cut out (self-resetting)
- Output over voltage protection
- Units can be paralleled for increased current



## **INSTALLATION**

- Connect the input leads from the Battery directly to the positive and negative terminals on the CONVERTOR.
- Do not under any circumstances connect the CONVERTOR'S negative wire to the chassis of the Cab or body of the Vehicle.
- Connect the Red and Black output wires on the CONVERTOR directly to the Two Way Radio Red & Black input via a Fuse.
- Do not under any circumstances connect the black wire of the TWO WAY RADIO to the chassis of the Cab or body of the Vehicle.
- If the Radio is mounted in the Cab and the chassis of the Radio is bonded to the chassis of the Cab, then the Antenna **must be bonded to the Cab NOT the body**.

## **NOTE:**

- In many Vehicles the Cab and chassis are fully bonded and “phantom” earths and or “earth loops” are not a problem, but in certain Vehicles it is a very real problem.
- The chassis of the CONVERTOR is isolated from its negative terminal. The unit may therefore be bonded or isolated to/from either the Cab or the body (not both).

## **SERVICE**

- The unit applies to Two Way Radio and wireless communication equipment.
- The unit has an integrated P.C. Board held in place by a single screw.
- The Convertors contain a temperature protection circuit. The voltage will drop gradually when the unit's temperature reaches between 70-80°C. If the temperature exceeds this, the unit will automatically shut down.

Specification subject to change without notice. Issue 1