# FULLY ISOLATED <br> DC/DC CONVERTER MODEL VTC315 Series 



## Description

The model VTC315 Series Voltage Converter supplies either 12V, 24V, or 48 VDC from a 12V, 24 V or 48VDC power source.

All new Current Mode switching design offers increased power and reliability in a compact package. Extra input and output filtering reduce EMI to extremely low levels. Reliability features include an input fuse, thermal shutdown, current limiting, reverse battery hookup protection and output short circuit shutdown with automatic recovery.

The output voltage is easily adjusted 1.0 volts above or below the standard output voltage. Devices connected to the converter are protected by an output overvoltage crowbar circuit.

Available options include a Remote Control and/or a Digital Volt Ammeter to monitor output current and voltage.

## Benefits

- Ultra-quiet
- Power sensitive electronics without interference
- Rugged and reliable to ensure years of safe and trouble free operation


## Design Features

- Fully isolated design
- Adjustable output voltage
- Audible and visual indicators for constant current, low input voltage, low output voltage and over-temperature
- Over-temperature shutdown
- Short circuit protection
- Output over voltage crowbar
- Cycle by cycle current limiting
- Reverse input protection
- Transient Voltage Suppression
- Ultra-quiet low EMI operation
- Dry contact output fail relay
- Custom input / output voltages from 8 to 55 VDC
- Remote control option
- Digital Volt/Ammeter option
- Wide Temperature operation available
- Conformal coating and/or harsh environment ruggedization available


## Applications

- Telecom Power Plants
- Marine \& other Rugged Environments
- Electric Utilities and Substations
- Base Station Power
- Solar / Alternative Power Systems
- Emergency Power Backup (UPS)
- Military Applications (COTS)
- Industrial Controls
- Solar / Alternative Power Systems
- Fuel Cells

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[^0]:    Note: Specifications are subject to change without notice.

