

## AGT Constant Voltage Transformers

AGT Constant Voltage Transformers (CVT) are ideal maintenance free solutions for loads that can suffer erratic operation or be damaged by electrical noise (common or series mode), local transients, mains power sags, surges and brownouts.

### Features

- ◆ Constant Voltage Transformer (CVT)
- ◆ Galvanic Isolation
- ◆ High common and normal mode noise attenuation
- ◆ Sag, surge and brownout protection
- ◆ Sine wave output (regardless of input waveform)
- ◆ Low installation and running costs (maintenance free)
- ◆ High Mean Time Between Failure (MTBF), over 200,000 hours (22.8 years)
- ◆ Easy to install

### Operation

Using a Constant Voltage Transformer (CVT), an input voltage variation of +/-15% is automatically stabilized to within +/-3% of nominal on the output. When faced with an extreme transient such as a local lightning strike, the CVT will present a low impedance to the mains protecting both itself and any connected loads. The Constant Voltage Transformer generates a perfect sine wave output even when fed from square or quasi-square wave sources.



AGT 15000VA for large industrial loads

### Options

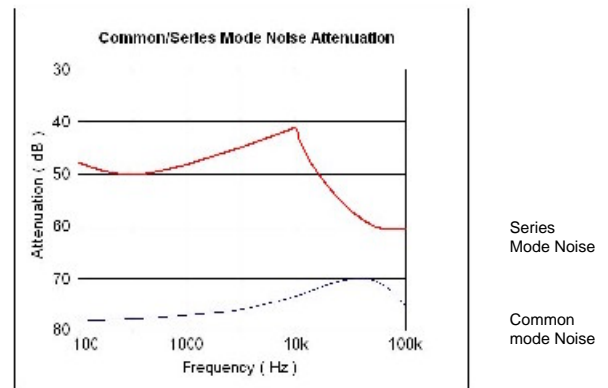
- ◆ Any nominal Input/Output up to 660Vac
- ◆ 19" rack mounting kit available
- ◆ Mains voltage and frequency to suit geographic location
- ◆ Plug and socket variations and terminals as standard
- ◆ Parallel and Series operation for enhanced reliability and larger power ratings
- ◆ Custom designs with multiple and/or DC outputs
- ◆ For sizes above 15KVA contact [sales@aelgroup.co.uk](mailto:sales@aelgroup.co.uk)



AGT 1000VA - all standard units come with a baseplate for ease of fixing

### Outstanding Spike and Electrical Noise Protection

Providing unparalleled reliability and conditioning performance, spikes and electrical noise are neutralised with attenuation as high as 75dB. In addition the input and output transformer windings are physically separated (Galvanic Isolation), this separation ensures that there is no connection between the mains supply and the load. A CVT therefore provides an impenetrable barrier to spikes and high frequency electrical noise. This barrier also works in reverse to prevent a 'noisy' load from polluting the mains supply.



### Superior Sag, Surge and Brownout Protection

Mains Voltage Sags and Surges of as much as 50% are automatically corrected by a CVT. A CVT will ride through most brownouts or mains dips because of its resonant property.

As long as at least 30% of the normal supply voltage is present a suitably selected CVT can provide adequate power for your critical load.

