

# Constant Voltage Transformer(CVT)

■ AC Power Conditioner

## Features

- Galvanic isolation
- High common and normal mode noise attenuation
- Sag, surge and brownout protection
- Sine wave output (regardless of input waveform)
- Low installation heat output and running costs (maintenance free)
- High Mean Time Between Failure (MTBF)
- Easy to install

## Applications

- Process control
- Automation
- Computer system
- Broadcasting
- Medical
- Air, rail, ship

## Overview

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 transient, mains power sags, surges and brownouts because of its resonant property.

When faced with an extreme transient such as a local lighting strike, the CVT will present a low impedance to the mains protecting both itself and any connected loads. The ferro-resonant transformer technology ensures that CVT will generate a perfect sine wave output even when fed from square or quasi-square wave sources. A CVT is also the most efficient way to drive a switched mode power supply(SMPS), and provides harmonic buffering.

## Technical Specifications

Model	T J A							
Capacity(KVA)	0.5KVA	1KVA	2KVA	3KVA	5KVA	7.5KVA	10KVA	15KVA
Input Voltage	Single phase 220 ± 30%(154–286V)							
Output Voltage	Single phase 220V ± 1–3%							
Efficiency	≥90% on full load							
Frequency	50/60Hz							
Dimension(W×H×D)mm	140×210×360	220×320×390	320×680×450	320×710×520	400×820×560	460×920×600		
Weight(kg)	18	36	70	92	136	220	270	320

We reserve the right to change specifications without notice due to continual improvements.

