



# CVT

CONSTANT VOLTAGE TRANSFORMER



In a RUDRA CVT, the AC mains power the input winding which is widely separated physically from the isolated output winding. The input winding normally runs at very moderate Flux Linkage levels. The output winding exhibits an intrinsic energy storage characteristic and this energy storage operates in conjunction with mains capacitor to produce self-generated AC flux field which is indirectly excited from the input winding. RUDRA Constant Voltage Transformers ensure total protection of your sensitive electronic equipment by allowing only stabilized and pure sine wave power.

## Fields of Application

- ✓ Embroidery machines
- ✓ Signaling instruments
- ✓ Signaling instruments
- ✓ Epabx systems
- ✓ Computers & peripherals
- ✓ Transmitters
- ✓ Scientific instruments
- ✓ Laboratory equipments
- ✓ Photo flash equipments

Phase	SINGLE PHASE
Input Voltage	180V-260V (other choices on request)
Output Voltage	220/230 + 1% & 110+ %
Line Frequency	50Hz
Output Step load response	2 cycle (30 to 40 millisecond)
Efficiency	90% (approx) under full load conditions
Output Waveform	Sinewave
Waveform Distortion	5 % (approx) under full load conditions
Load Power Factor	0.75% lag to 0.9% lead
Ambient temperature	5 C to 50 C
Transformer Type	Ferro-Resonant
Capacity	50VA, 100VA, 150VA, 250VA, up-to 5KVA

## Recommendations

- Keep magnetic storage and display devices like Diskettes, Spools, Monitors etc. away from the CVT.
- Switch on the CVT before switching ON the attached peripherals and while switching off, switch OFF attached peripherals first and then the CVT.
- Avoid using the CVT for high inductive loads. \* Check frequency before using the CVT with a generator. Recommended frequency: 50+ 1Hz
- Switch OFF the CVT when not in use.

## Rudra Trans System

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