

## Line Conditioner/CVCF

Clean power is what we "Convergence" promise. The power draws from a mains supply is not always a clean power. The Power conditioning equipments are those devices makes the power cleaner by controlling the Voltage, Frequency, surge currents, & wave form. Most type of equipments are not designed to handle variations in the voltage and line disturbances effectively. You can connect such machineries with "CONVERGENCE" CVCF the performance will improve to its optimum and thus ensures a continuous trouble free working.



**Applications :** Sortex Machines, Telecommunication & Net working equipments, Medical Equipments, CNC/PLC machines etc

### Features :

- Continuous Pure sine wave output offers guaranteed compatibility with all equipment types.
- Micro Controller controlled design provide easy diagnostics
- Dynamic step load change
- Crystal controlled Frequency 50Hz +/- 0.1%
- In Line voltage regulation corrects severe brownouts and over voltages
- IGBT Technology.
- Fast correction rate and load protection.
- Overload/Short circuit protection.
- Diagnostic LED's & Optional LCD provide visual indication of CVCF performance conditions.
- Noiseless, compact size, elegant look & easy to install.

### TECHNICAL SPECIFICATIONS

Rated Capacity	1KVA to 15 KVA
Input Voltage	160-280VAC
Input Frequency	50Hz+/-10%
Output Voltage	220/230V +/- 1%
Regulation	1% under all line & load conditions
Inverter Efficiency	>88%
Power factor	0.8 lag to unity
Output Frequency	50Hz+/-0.01%
Control	PWM controlled
Output Waveform	Pure Sine Wave
THD	<3%

## Constant Voltage Transformer(CVT)

Convergence CVT's are made of Quality Copper with CRGO core. We have Specially designed CVT's for industrial applications. They provide accurate and constant voltage

### Features

- High efficient CV Transformer
- Pure Sine wave Output
- High efficiency & less maintenance cost
- Long Life



### TECHNICAL SPECIFICATIONS

Input Voltage	180- 260 V AC
Line Frequency	50 Hz
Output Voltage	220/230 +/- 1%
Output Step Load Response	2 Cycles 30 TO 40 Milliseconds
Efficiency	85% Under Full Load
Output Waveform	Sinewave
Wave Form Distortion	5% Under Full Load
<b>Load Power Factor</b>	<b>0.75% Lag To 0.90% Lead</b>
Working Temperature	5degree To 50 Degree
Transformer	Ferro Resonant
Effect Of Frequency	1.6% Apx Change In Output Voltage For Every 1% Change In Line Frequency

## Servo Stabilizers

High speed electro mechanical regulators that provide constant voltage by using a variac along with a buck boost transformer makes a servo stabilizer. These are ideal for places where the problem of low voltage, high voltage and unexpected and continuous voltage fluctuations exists.

### TECHNICAL SPECIFICATIONS

Rating	1KVA to 1000KVA
Input Voltage	160-260/140-270/90-279V 1Phase 340-470/300-470/240-470V- 3 phase
Input Frequency	50 Hz +/- 10%
Output Voltage	230V 1 Phase (Pre Settable range 215-235) 410V 3 Phase ( Pre settable range 380-415)
Output Regulation	+/- 1% or 0.5%
Waveform Distortion	Nil
Motor Type	Non flammable, burn proof high torque AC synchronize motor

