FEATURES

In an Orbit CVT, the AC mains powers the input 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 energy characteristic and this energy storage operates in conjunction with mains capacitor to produce self generated AC flux field which is indirectly excited from the winding.

The result is instantaneous voltage regulation and spikes. Sine wave output. A perfect answer for every electronic equipment.

SALIENT FEATURES

- No semiconductors or moving parts used, so high reliability.
- No feedback control used.
- Intrinsic current limiting and short circuit protection
- Output voltage correction within ½ Cycle 10 ms from no load to full load for specified load and line variation
- Short term over load capability.
- Energy storage for line loss up to 3 ms at typical loads
- Higher input voltage control range, for load less than rated load
- very high line transient/spike rejection capability excellent input to output isolation characteristics
- Output floating (optional)

SPECIFICATIONS

Input Voltage	180V-260V (other choices on request)
Line Frequency	50Hz
Output Voltage	220/230 1%
Output Stepload response	2 cycles (30 to 40 milliseconds)
Efficiency	90% (approx) under full load condition
Output Waveform	Sinusoidal
Waveform Distortion	5% (approx) under full load conditions
Load Power Factor	0.75% lag to 0.9% load
Ambient Temperature	-5°C to 50°C
Transformer Type	Ferro-Resonant
Effect of Frequency	1.6% (approx) change in output voltage for every 1% line frequency

Since product innovation is a continuous process at Orbit, specifications are subject to change without notice

Dealer Stamp

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