

A PRODUCT OF ISO 9001:2008 COMPANY



INVERTER - UPS

DIGITAL SERVO VOLTAGE STABILIZER



**Power That
Never Break**

Singal Phase (1 KVA To 15 KVA)
Three Phase (6 KVA To 200 KVA)

Air Cooled / Oil Cooled

Optimum performance of any electrical or electronic equipment is highly dependent on the stability of the applied mains voltage. Wide deviations from the normal voltage both on the higher side and lower side can produce harmful effects.

Our **SERVO VOLTAGE STABILIZERS** are exclusively designed to protect your costly and sensitive equipments from harm caused by undesired voltage fluctuations. **SERVO VOLTAGE STABILIZERS** are ideally suitable for computers and computer based systems, medical diagnostic equipments, general laboratory equipments, high power communication systems and any other application that requires a precise mains supply. Serving from the past 15 years, top quality and reliable services together has made Uma *Alfa* one of the trustworthy stabilizer manufacturers in india.

SALIENT FEATURES :

- Specially designed high performance DSP based control circuit for ultra high reliability.
- All Parameter (O/P voltage, I/P voltage high / low cut off, time delay, overload) set by front control panel.
- Very low internal impedance.
- High efficiency greater than 95%.
- Fast correction speed (20 to 40 Volts/Sec).
- Accuracy ± 0.5 to 1 % V from no load to full load.
- Works over wide input frequency range and no waveform distortion.
- Plug in type single control card designed for easy serviceability.
- Auto / Manual operation facility.

ADVANTAGES OF SERVO STABILIZERS :

- Incomparable advantage of Servo Voltage Stabilizers is that it corrects voltage automatically and continuously.
- Induction motors operate at high efficiency when supplied with constant voltage.
- Protects costly equipments from menace of high / low voltage, thus cutting down the maintenance cost
- Low production losses & better efficiency in plant.
- Increased productivity.
- Reduces MDI and saves power.
- Reduction in electricity bills up to the level of approximately 15% (This also depends on the input variation loading and the number of working hours).
- Saves on diesel cost, as generator is not required to run at high / low input voltage.

SPECIFICATIONS ::

CHARACTERISTICS	SINGLE PHASE	THREE PHASE Unbalanced
INPUT VOLTAGE	200 – 280 V AC 170 - 270 V AC 140 – 280 V AC 110 – 280 V AC	360 – 460 V AC 300 – 460 V AC 240 – 480 V AC 190 – 480 V AC
OUTPUT VOLTAGE	220 / 230 / 240 V $\pm 1\%$	380/400 / 415 V $\pm 1\%$
OUTPUT ADJUSTABLE	220 – 240 V AC	380 – 415 V AC-
CONNECTIONS	-	Star / Star
FREQUENCY	45 - 55 Hz	
INSULATIONS	Class B	
WAVE FORM DESTORTION	None	
EFFECT ON LOAD POWER FACTOR	Nil	
TYPE OF COOLING	Air / Oil Cooled	
SPEED OF CORRECTION	>than 20 V / Sec	
REGULATION	$\pm 1.0\%$ from No Load to full load	
AMBIENT TEMPRATURE	0° to 55° C	
ENVIORNMENT	Designed for indoor continuous operation	
RATING AVAILABLE	1 KVA to 200 KVA	
LCD PARAMETERS	I/p voltage,o/p voltage, o/p current,o/p KW	

APPLICATIONS :

- Hospitals
- Offices
- Factories
- Scientific Laboratories
- Xerox Centers
- EDP Centers
- Residential Bungalows
- Hotels
- Process Industries
- Cement Plants
- Rubber Industries
- Flour Mills
- Paper Mills
- Engineering Units
- Tube Mills
- Pharmaceutical Units
- Tea Estates
- Cold Storages
- Food Processing Units
- Rolling Mills
- Footwear & Leather Units
- Textile Mills
- Distilleries & Beverages

UMA POWERTRONICS PVT. LTD.

MFERS OF : ONLINE UPS, LINE INTRACTIVE UPS,
DIGITAL HOME UPS, INVERTER, SERVO STABLIZER, CVT

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