

**ACCUEPOWER**



# Servo Stabilizers - Air Cooled & Oil Cooled

## QUALITY POLICIES

- Components used are as per the IES
- All internal components are tested at every stage of assembly of the equipment
- Final equipment is subjected for accelerated life test to rectify and replace any weak components

### SALIENT FEATURES:

- Solid state control circuits, no relays, no warm-up time for high reliability
- Every unit is 'soak tested' for 48 hours to ensure trouble free operation
- Quick response time 10 m.sec
- AC Synchronous motor drive for high reliability (DC Motor Optional)
- All transformers are copper-wound on CR laminations and double vacuum impregnated for high efficiency, low losses and low temperature rise
- Excellent regulation as high as  $\pm 1\%$
- Reputed make ICs and components are used for high reliability
- Rugged construction
- Very high efficiency



## Technical Specifications

Capacity	: 1 KVA - 25 KVA 1 Phase : 3 KVA - 75 KVA 3 Phase [Air Cooled] : 3 KVA -1500 KVA 3 Phase [Oil Cooled]
Input Voltage Range	: 170 V - 270 V AC 1 Phase : 340 V - 460 V AC 3 Phase
Other Input Voltage Range	: 295 V - 465 V AC 3 Phase : 360 V - 460 V AC 3 Phase
Output Voltages	: 220 V / 230 V AC 1 Phase : 380 V / 400 V / 415 V AC 3 Phase
Output Voltage Regulation	: $\pm 1\%$ at No Load - Full Load
System	: Unbalanced 4 Wire System
Operating Frequency	: 47 Hz - 53 Hz
Speed of Correction	: 60 V / Sec - Phase to Phase : 35 V / Sec -Phase to Neutral
Wave Form Distortion	: Nil
Output Wave Form	: True Reproduction of Input
Insulation	: Class "B"
Operating Temperature	: 0° C - 45° C Ambient
Type of Cooling	: Naturally Air Cooled Upto 75 KVA 3 Phase : Oil Cooled upto 1500 KVA 3 Phase
Short Circuit Period & Percentage	: 300 % for 250 m.sec
Mode of Control	: Automatic / Manual
Over Load Capacity	: 120% for 10 Min.
System Construction	: As Per IS : 9815
Protections	: Low Voltage Protection High Voltage Protection Short Circuit Protection Over Load Protection Single Phase Preventor
Panel Controls	: Input / Output Selector Switch Auto / Manual Selector Switch Increase / Decrease Selector Switch Volts Adjust Through Potentiometer
Indications	: Input - ON                      Input - HIGH Output - ON                    Input - LOW Output - CUT-OFF
Panel Meters	: Voltmeter with Selector Switch to Read Input / Output Voltages : Ammeter with Selector Switch to Read 'R', 'Y', 'B' - Phase Current
Optional Features	<ul style="list-style-type: none"> <li>• Input Under / Over Voltage Trip</li> <li>• Digital Voltmeter &amp; Ammeter</li> <li>• Frequency Meter - Digital / Analog</li> <li>• Frequency Trip (High / Low)</li> <li>• MCB / MCCB for Output</li> <li>• Phase Reversal Protection</li> <li>• Surge / Spikes Suppressor</li> <li>• Line Filters</li> </ul>

## Applications:



CNC Machines



Bio - Medical Equipments



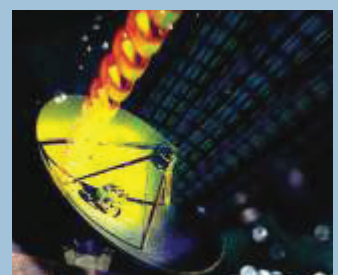
Printing Machines



Textile Machineries



Large Computer Installations



Telecommunication Equipments

# Isolation Transformer



## Technical Specifications

Capacity	: 1 KVA - 25 KVA 1 Phase : 3 KVA - 500 KVA 3 Phase
Primary Voltage	: 200 / 230 V 1 Phase : 380 V / 400V / 415 V 3 Phase
Secondary Voltage	: 110 V / 230 V 1 Phase : 220 V / 380 V / 400 V / 415 V 3 Phase
System Connections	: Delta / Star : Star / Star
Ratio	: 1:1 and 2:1
Regulation	: Better than 3.5%
Power Factor	: 0.75 Lead to 0.75 Lag
Di-electric Strength	: 3 KV for 60 Sec
Insulation Resistance	: Better than 1000 Mega Ohms
Coupling Capacitance	: 0.01 PF
Leakage Current	: Less than 20 Micro Amps
Common Mode Attenuation	: 100 Db / 120 Db
Construction Standards	: As per IS 2026 Part I & II
Type of Construction	: Closed Type / Open Type
Operating Temperature	: 0°C to 45°C
Type of cooling	: Natural air / Forced air

## ACCUEPOWER Business systems

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