

Ultra Isolation Transformer



Isolation transformers eliminate noises prevalent in power lines and attenuates the spikes to minimal values, providing complete protection against such electrical disturbances.

It consists of double wound Transformers with extremely low coupling capacitance to isolate the voltage spikes and reduce noise from mains with extremely high insulation resistance.

They are most effective for critical equipment because of its characteristic of providing complete isolation from main lines.

Parameters	Specification (1-100 KVA)
Voltage Regulation	Better than 3%
DC Galvanic Isolation	Better than 1200Mohm
CM Noise Attenuation	Better than 100 dB
Capacitance Coupling	0.1 PF for 100 db
Electro Static and Electromagnetic Noise elimination	Full Elimination
Transfer Ratio	1:1, 2:1
Cooling	Air Cooled
Magnetics	Copper Wound with High Grade Laminations
Cooling	Air Cooled
Operating Temp	0 °C to 55 °C

Arrow Servo Stabilizers and Isolation Transformers can be used separately or in conjunction with each other for highest available protection. Arrow products are designed to supply clean power and its features provide significant advantages to the users, specially in Indian power supply environment. The Entire range of Arrow products are backed by extensive network of sales and service support.



OTHER PRODUCT LINE: ONLINE UPS, LI UPS, HOME UPS SYSTEMS AND AN ENTIRE RANGE OF SOLAR PRODUCTS



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Compact and High Performance Design

Servo Controlled Voltage Corrector



Servo Controlled Voltage Corrector essentially employs a solid state circuit which controls the AC Servo Motor. The motor is mechanically coupled to the arm of continuously variable auto transformer. The stabilizer output voltage is compared with the reference voltage and the resultant error signal controls the Servo Motor providing true proportional control system rather than On/Off circuits.

Parameters	Specification (1-500 KVA)
Mode of Operation	Manual / Automatic
Input Voltage Range	Three Phase 360 V-460 Vac., 250 V -460 Vac or as per Customer requirement
Frequency Range	50 Hz 10%
Output Voltage	Three Phase, 380/400/415 V 1% Adjustable required
Waveform Distortion	Nil
Response Time	Instant
Efficiency	Up to 98%
Protection	Input High/Low Cutout, Time delay, Short circuit, Overload through MCB, SSP, Bypass, Earth Fault
Indications	Input ON, Output ON High/Low Voltage
Meters	Input Voltage, Output Voltage
Cooling	Air cooled
Operating Temp.	0 °C to 50 °C
Humidity	Up to 95% RH. Non-condensing at 35 °C
Load	Suitable for Balance/Unbalance Load

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