

An ISO 9001:2008 & ISO 14001:2004 Company



Compact and High Performance Design

Servo Controlled Voltage Corrector

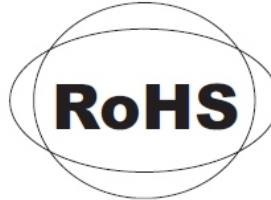
Ultra Isolation Transformer



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	Specifications (1 - 100 KVA)
Voltage Regulation	Better than 3%
DC Galvanic Isolation	Better than 1200Mohm
CM Noise Attenuation	Better than 100dB
Capacitance Coupling	0.1 PF for 100 db
Electro Static and Electromagnetic Noise elimination	Full Elimination
Transformer 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



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	Specifications (1 - 100 KVA)
Mode of Operation	Manual / Automatic (Switch Selectable)
Input Voltage Range	160 V , 280 Vac, Single Phase
Frequency Range	50 Hz +/- 10%
Output Voltage	230 V +/- 2% Adjustable as required
Waveform Distortion	Nil
Rate of Correction	Up to 40V (L-N)
Response Time	10-20 msec
Efficiency	Up to 98%
Protection	Input High/Low Cutout, Time delay, Short circuit, Overload MCB, Spike-Surge Suppressor
Indications	Input ON, Output ON, High/Low Voltage
Meters	Input Voltage, Output Voltage
Magnetics	Copper Wound with High Grade Laminations
Cooling	Air Cooled
Operating Temp	0°C to 50°C
Humidity	Up to 95% RH. Non-condensing at 35°C
System Construction	As per IS:9815 of 1994 and IS:2026

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.



Arrow Powertech Pvt. Ltd.

An ISO 9001, ISO 14001 & RoHS Certified Company

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Due to continuous research and development all specifications mentioned in this brochure are subject to change without notice