

MicroSystem Engineers

STATIC VOLTAGE CONDITIONER



The way to
Clean Power

Static Voltage Conditioner

MicroSystem Engineers (MSE) is a strong pioneer involved in providing embedded solutions & high quality product/ services to the customers, employing a dedicated R&D shell for customized engineering.

MSE introduces its latest state-of-the-art Micro controller based Static Voltage Conditioner (SVC) with all the required features & facilities. The system is designed keeping in mind the on site requirements of Industrial / Telecom customers. SVC offers highest rate of correction with the least response time.

Salient Features

- ❖ *Highly Reliable: No moving parts like motors and Carbon Brushes*
- ❖ *Fastest Voltage Correction Rate*
- ❖ *Clean Technology: Air Cooled instead of Oil Cooled*
- ❖ *Correction at Zero Cross of wave form, thus minimizing distortion*
- ❖ *Sine wave output to minimize Harmonic Distortion & Inrush current*
- ❖ *Noise free working with respect to Servo Stabilizer*
- ❖ *No fractional output Black-out during correction*

Areas of Application

- *Automobile Industries*
- *CNC Machine users*
- *Textiles*
- *Banks*
- *Hospitals*
- *Telecom Service Providers*
- *Call Centers*
- *Research & Development Centers*
- *Testing Laboratories*
- *Software Development Centers*

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SVC – Technical Specification

Capacity (1 Phase)	10 kVA - 60 kVA
Capacity (3 Phase)	15 kVA – 500 kVA
Input Voltage Range	150V to 280V AC in each phase
Input Frequency	47Hz – 52Hz
Output Voltage	220 V AC in each phase (+/- 5%)
Isolation Transformer	Available
Line/ Load Regulation	±10% on each phase separately
Correction Speed	400V/μs
Efficiency (Full Load)	≥97%
Distortion	<3%
Response Time	<1ms
Corrective response Time	≤10ms
MTBF	>100,000 Hrs
System Protections	Input / Output HVD / LVD / OVLD
Surge and Lightning Protection	(Optional)
Automatic Circuit Breaker	Standard
Phase Sequence Reversal	Standard
Power on delay	Standard
Remote Facility	2 way monitoring & control using GSM / GPRS Modem
Display	LCD, 7 Segment, Alphanumeric Quad line, 16 characters
Logging Facility	1000 counts for desired parameters
Display Parameters	Input/output Voltage, output Current Phase Sequence System Faults