

MST33 Series

STATIC VOLTAGE
STABILIZER
30-3000kVA
Three Phase / Three Phase

Multi-Tap Autotransformer,
Microprocessor Control System
Static Voltage Stabilizers



- Input Voltage 155 - 490VAC 3 Phase
- Input Frequency 50Hz
- Output Voltage Tolerance $\pm 2\%$
- Regulation Rate 5000 V / Sec
- Efficiency $> 97\%$
- Operating Temperature $0^{\circ}\text{C} - 40^{\circ}\text{C}$
- Overload 20 ms for 500% Over load
- Fast Regulation Modul
- $200\text{Volt} * 50\text{Hz} = 10.000 \text{ Volt/Second}$
- Improvable Output Regulation Structure
- Reading Power Parameters
- Modular Card Structure
- No Need Maintenance. It is Completely Static
- Beginning Failure Doesnt Exist.
- Ability to Work Under Whatever With $\cos \phi$ Load
- Ability to Discriminate Non-Linear Load and Short Circuit
- In the Case of Short Circuit It Prevents Blowing of Fuse
- Reoperating From Short Circuit

1000kVA • 2000kVA • 3000kVA

MODEL																							
Capacity (kVA)		30	45	60	75	90	100	120	150	180	200	250	300	400	500	600	800	1000	1250	1600	2000	2500	3000
INPUT																							
In. Vol. Correct. Interval		275~400VAC																					
Operation Frequency		47~65Hz																					
Line Input Protection		Overcurrent Thermic Fuse and Sudden Overburden Protection																					
OUTPUT																							
Output Voltage		380VAC RMS ±3%																					
Overloading		10Sec. 200% Load 500% Load 20ms																					
Correction Speed		~5000Voly/Sec.																					
Upturn Period		20ms																					
Output Protection		Short Circuit, Overburden, Overcurrent Electronic Protection, Protects Load Via Opening Control																					
WORKING PRINCIPLE		Microprocessor Controlled, Full Automatic, Static, Semi Conductor Electronic Structure Maintenance Free																					
CONTROL PANEL																							
Display and Buttons		Display Screen																					
Alert Message		Input Low/ Hi, Output Low/ Hi, Over Temperature (Smart Fan System)																					
Meas. Value Monitorization		Output Voltage, Network Voltage																					
Out. Up. Protect. Limit		Standard																					
Out. Sup. Protect. Limit		Standard																					
Regulation Voltage		Standard																					
GENERAL																							
Total Efficiency		>97% (Full Load)																					
Mechanical Bypass		"Manually Controlled Line-PAKO SWITCH Selects Voltage Regulator" Switch Turn On/Off																					
Protection Level		IP21																					
ENVIRONMENTAL																							
Working Temperature		-10°C~50°C																					
Storage Temperature		-25°C~60°C																					
Relative Humidity		<90%, DIN (40040)																					
Working Altitude		<2000m																					
Acoustic Level		<50dB (1metersquare)																					
Documents		CE//TÜV Austria Hellas (ISO 9001)																					
OTHERS																							
Dimension (mm)	Width	600	630	710	600	600	700	700	900	900	1400	1400											
	Depth	450	450	520	700	1100	800	1200	1000	1200	1500	1500											
	Height	100	1100	1270	1720	1720	1850	1850	1950	1950	1750	2050											
Weight (kg)		115	155	196	210	250	265	295	310	340	380	1150	1250	1500	2000	2500	2750	3500	3750	4500	5500	7000	8500

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