







10-2000 kVA

1-30 kVA



STATIC VOLTAGE STABILIZER











HIGHLIGHTS

- Microprocessor Controlled **Voltage Stabilisation**
- Precise Output Voltage Accuracy
- True Static-Modular Design with **Thyristor Technology**
- High Voltage Regulation Speed
- Maintenance Free

Highly Reliable and Endurable Static Design

- Microprocessor controlled Static design stabilizers automatically regulate and protect the loads against dangerous voltage changes.
- Compatible with all load types and offering independent phase control, they deliver ultra-fast response times in correcting under / over voltages, sags and surges - making them ideal for highly sensitive / mission critical loads and applications.

CERTIFICATES









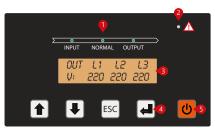






Standart Flectrical Features

- Wide Input Voltage Range
- Precise Output Voltage Accuracy ±1% to ±5%
- Ultra Fast Voltage Regulation (500V/s)
- True 32-bit Microcontroller Controlled
- High Efficiency > 97%
- Independent Phase Regulation to Correct Voltage aand Load Imbalance
- Electronic Protection Against to Over Load, Low Voltage, High Voltage, Over Temperature, Over Current and Short Circuit
- Overload Protection up to 150%
- Fast Responsive to Voltage Surges
- User Friendly, Easy and Comprehensive LCD Display and Mimic Diagram



- 1. Input Led Bypass Led Normal Led Output Led
- 2. Alarm/Warning Led
- 3. LCD Display
- 4. Menu Kevs
- 5. On/Off Button
- Advanced Alarm Menu
- Manual Bypass
- Auto Restart when Mains Available
- Full Electronic Static Structure with No Moving Parts,
 Delivering a 'Maintenance Free' Voltage Regulation Solution
- Compact Design with High Quality Material and Minimum Malfunction Hazard
- Designed, Manufactured and Supplied to Comply with
- Fully CE Compliant and Labelled

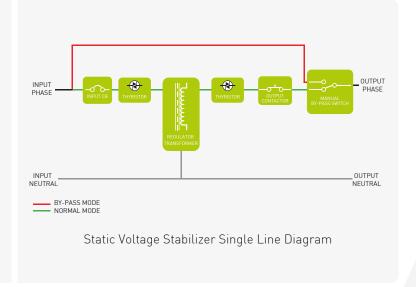
Flexibility

- Available at any required input voltage value and range.
- Available at any required output voltage value and tolerance from ±1% to ±5%.
- Output voltage can be adjusted by the LCD panel.
- Functionable with 50Hz and 60Hz.
- Optional MCCB can be added to the output to provide additional protection.
- Isolation transformer or voltage changing autotransformer can be added for both input and output.
- Indoor and outdoor special cabinets with various IP protection classes can be provided.
- Optional EMC-filters at both input and output.
- Optional high-voltage protection and surge arrester.
- Optional Modbus.

MICROPROCESSOR CONTROLLED THYRISTOR TECHNOLOGY

Based on high speed semiconductor (Thyristor) technology and all digital microprocessor control, MST Series Static Voltage Stabilizers continuously monitor the incoming supply. Should the incoming voltage rise or drop, the stabilizers will automatically control the output to ensure the voltage reaching the load equipment always remains constant at the requisite voltage.

Inbuilt spike protection ensures the load is continuosly protected against harmful mains born high energy spikes and surges.

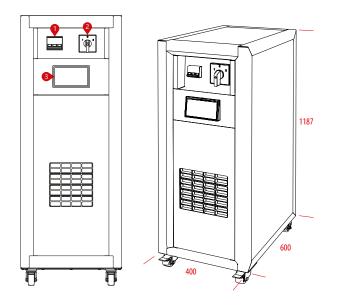


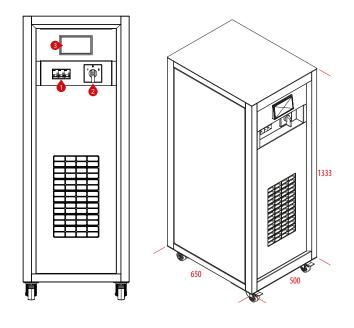


DETAILS

MST SERIES 10-30 kVA

MST SERIES 40-60-75 kVA

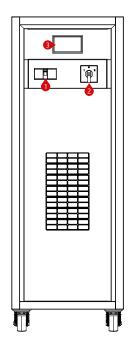


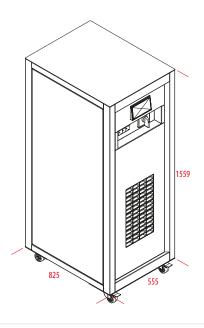


MST SERIES 100-120-150 kVA



- Input Switch
 Bypass Switch
 ICD Display
 Optional Card Slot
 Connection Terminal (Rear Panel)

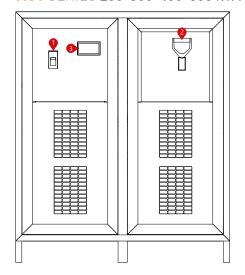


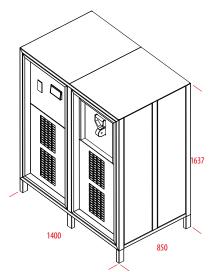




DETAILS

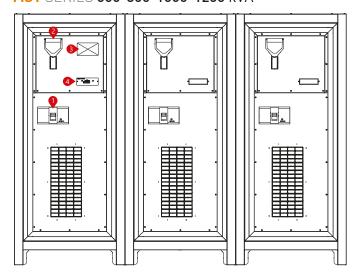
MST SERIES 200-300-400-500 kVA

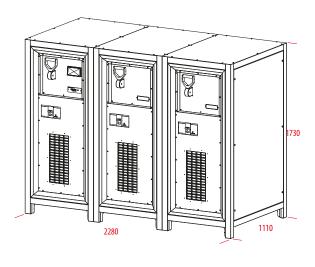




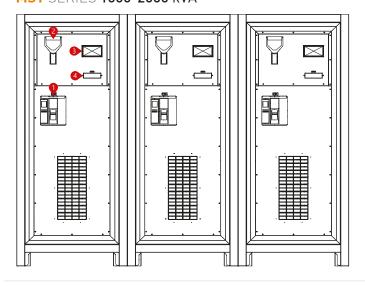
- 1. Input Switch
- 2. Bypass Switch
- 3. LCD Display
- 4. Optional Card Slot
- 5. Connection Terminal (Rear Panel)

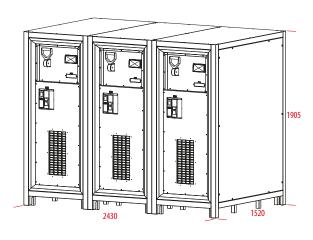
MST SERIES 600-800-1000-1250 kVA





MST SERIES 1600-2000 kVA









MODEL																						
Capacity (kVA)		10	15	22,5	30	45	60	75	100	120	150	200	300	400	500	600	800	1000	1250	1600	2000	
INPUT								1			1		ı	1		1	1	1				
In. Vol. Correct. Interval									275~	450 V	AC (Op	tional:	190V~4	485V)								
Operation Frequency		50~60 Hz (±10%)																				
Line Input Protection										Overc	urrent	Thermi	ic Fuse									
OUTPUT																						
Output Voltage		380 V	AC RN	1S ±3%	(Std.)						380 \	VAC RI	MS ±59	% (Opt	ional 1	% to 59	%)					
Overloading		10min 125% Load, 1min 150% Load, 10sec 200% Load, 20ms 500% Load																				
Correction Speed		500 Volt/sec																				
Upturn Period		20ms																				
Output Protection		Short Circuit, Overload, Overtemperature, Over and Low Voltage Protections																				
WORKING PRINCIPLE		Microprocessor Controlled, Full Automatic, Static, Semi Conductor Electronic Structure Maintenance Free																				
CONTROL PANEL																						
Display and Buttons									Loa	nd Leve	l, Inpu	t-Outp	ut Volt	age								
Alert Message		Input Low/High, Output Low/High, Overtemperature																				
GENERAL																						
Efficiency										>	97% (F	ull Loa	d)									
Mechanical Bypass					"Mar	nually C	ontro	olled Lin	e - PAł	(O SW	ITCH S	elects \	/oltage	e Regu	lator" S	Switch '	Turn O	n/Off				
Protection Level											IP	20										
Standard		TS EN 61000-6-2:2006, TS EN 61000-6-3:2007 (EMC), IEC60204-1+A1:2008 (LVD)																				
ENVIRONMENTAL																						
Operating Temperature)										-10°C	~50°C										
Storage Temperature											-25°C	~60°C										
Relative Humidity		<90%, DIN (40040)																				
Altitude		<2000m																				
Noise Level		<50 dB				<55 dB			<58 dB			<58 dB			<63 dB							
DIMENSIONS & WEIGH	-TT																					
Cabinet	Width		4	00			500	ı	555			1400					22	280		24	2430	
Dimensions (mm)	Depth	600			650			825			850			1110			_	520				
	Height	1187		1333		1559		1637				1730				905						
Weight (Kg)		80	95	112	120	175	203	233	277	320	369	639	775	857	930	1670	1800	1890	2110	2820	3150	

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MODEL												
Capacity (kVA)		1	2	3	7,5	10	15	20	30			
INPUT			'	'			'					
In. Vol. Correct. Interva	al			•	120~230 / 145~2	45 / 160~250 VA	AC .					
Operation Frequency		50~60 Hz (±10%)										
Line Input Protection		Overcurrent Thermic Fuse										
OUTPUT												
Output Voltage		380 VAC RMS ±3% (Std.) 380 VAC RMS ±5% (Optional 1% to 5%)										
Overloading		10min 125% Load, 1min 150% Load, 10sec 200% Load, 20ms 500% Load										
Correction Speed		500 Volt/sec										
Upturn Period		20ms										
Output Protection		Short Circuit, Overload, Overtemperature, Over and Low Voltage Protections										
WORKING PRINCIPLE		Microprocessor Controlled, Full Automatic, Static, Semi Conductor Electronic Structure Maintenance Free										
CONTROL PANEL												
Display and Buttons		Load Level, Input-Output Voltage										
Alert Message		Input Low/High, Output Low/High, Overtemperature										
GENERAL												
Efficiency					>97% (F	ull Load)						
Mechanical Bypass		"Manually Controlled Line - PAKO SWITCH Selects Voltage Regulator" Switch Turn On/Off										
Protection Level		IP20										
Standard		TS EN 61000-6-2:2006, TS EN 61000-6-3:2007 (EMC), IEC60204-1+A1:2008 (LVD)										
ENVIRONMENT												
Operating Temperature		-10°C~50°C										
Storage Temperature		-25°C~60°C										
Relative Humidity		<90%, DIN (40040)										
Altitude		<2000m										
Noise Level		<50 dB										
DIMENSIONS & WEIG	HT.											
Dimensions (mm)	Width	192			260			430				
	Depth	361			453			596				
	Height	352			416			777				

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