



Automatic Voltage Stabilizer

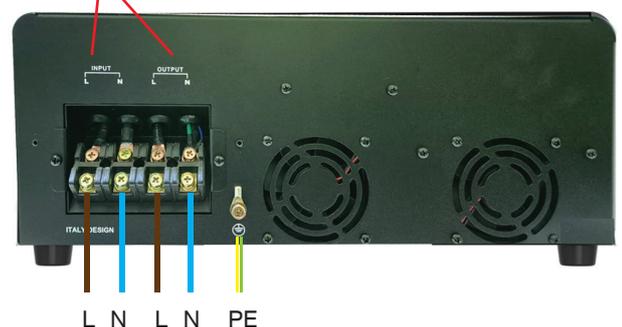
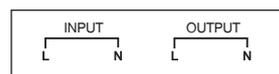
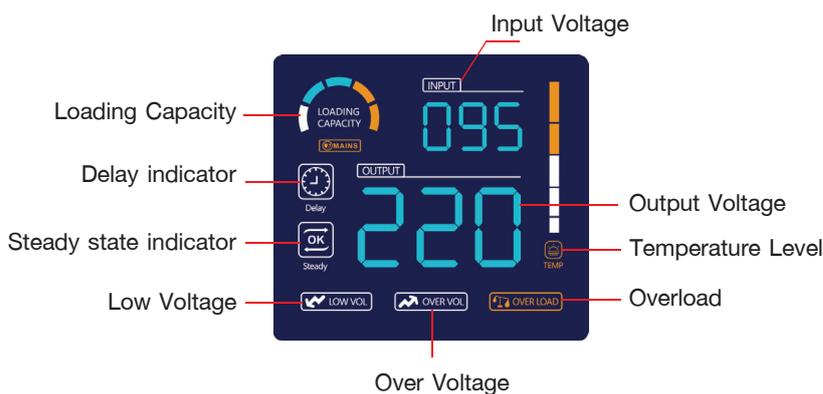
MST-10kVA

Thyristor Type

The MST automatic voltage stabilizer is suitable for household electrical appliances such as air conditioners, refrigerators, computers, communication equipment, medical equipment, and lighting, which require stable power. It allows equipment to operate efficiently and reduces the rate of damage to electrical appliances. It is also suitable for places with unstable voltage, such as residences, commercial buildings, industrial plants, and establishments, including environments that require voltage accuracy. Helps electrical appliances operate normally and extends their service life.

Features:

- Supports input voltage from 95-250 volts.
- Automatic voltage regulation using Thyristor type.
- Controlled by a Microcontroller (MCU).
- Easy to install, saves space, can be wall-mounted.
- Displays operation with an LED graphic screen.
- Has a delay system to protect electrical appliances in the house.
- Automatically starts (Auto-start) when power returns to normal.
- Toroid transformer, the iron core is cold-rolled (CRGO), lightweight, and highly efficient.
- Does not generate sparks while operating (None spark).
- Low noise during operation (Extremely low noise).
- Has a short circuit protection circuit.
- Overload protection.
- Normal / Bypass system.
- ISO9001: 2015 certified.



TECHNICAL SPECIFICATIONS

Model	MST-10KVA	
Power range	10KVA	
Phase	Single	
Input		
Input voltage range	95-250	
Open circuit losses	≤65W	
Output		
Output voltage range	220+/-5%	
Output Power		
Frequency	Compatible 40~70HZ	
Regulation response	0ms	
Load efficiency	Load efficiency of 95%	
Regulation mode	No contact, zero crossing switch	
Load type	Capacitive load, Inductive load, Resistive load, Mixed load	
Energy loss when unloaded	≤30W	
Rated current	50A	
Protection	Short circuit protection	
	Surge protection: 2.5kv, 1/50μs	
	Over-load protection	
	Over-temperature protection: threshold value 120°C	
	Over-voltage protection: output threshold value 247v	
Overload	Under-voltage protection: output threshold value 170v	
	The longest protection time for overload 1-1.2 times is 30 minutes	
	overload 1.2-1.4 times is 12.5 minutes	
	overload 1.4-1.6 times is 7.5 minutes	
	overload 1.6-2 times is 1.5 minutes	
overload 2 times or more is 1 second.		
Short-circuit	Electronic detection and circuit breaker dual protection	
Output delay	5s/200s delay mode.selectable, setting 200S delay can prevent the load from starting repeatedly for a short time	
Transformer type	Toroidal, autotransformer	
Bypass function	Yes	
Power factor	0.98	
Efficiency	AC-AC	≥95%
Acoustic	Noise level	≤45dB
	Temperature	-20°C to +40°C
Environment	Humidity	0% to 80%
	Altitude	≤3000m
	Protection class	IP20
Net Wt.(kg)	25.3	
Dimensions(cm)	43.8 x 33.4 x 18.5	

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