TJS(SVC)

Series of High-precision Fully Automatic AC Voltage Stabilizers

User Instructions

TJS series three-phase high-precision fully automatic AC voltage stabilizer is designed and manufactured by our company based on single-phase servo current stabilized power supply. It is an AC voltage stabilizer for three-phase electrical appliances. It has reliable structure, excellent performance, high voltage stabilization accuracy, low waveform distortion, and long-term continuous operation. It is your ideal power supply equipment. The input and output of this series of products adopt "Y" connection mode, which can provide you with 380V and 220V power supplies at the same time, and can meet the needs of single-phase and three-phase electrical appliances. It is widely used in industrial and agricultural production. The product meets the requirements of standards SB/T 10266 and JB/T 10089.

Model and Meaning

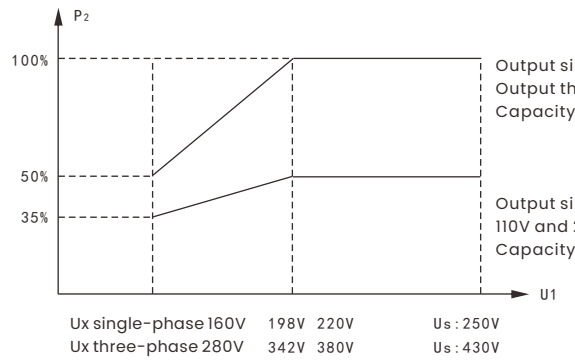
T J S □

- Capacity (VA)
- Number of Phases: S - Three-Phase
- Contactor
- Automatic Voltage Regulator

Performance Indicators

Performance Indicators	TJS-1.5kVA-50kVA
Input Line Voltage Range	242V ~ 433V
Output Voltage	Phase voltage 220V or line voltage 380V
Grid Frequency	50Hz ~ 60Hz
Voltage Accuracy	±3%
Voltage Regulation Environment	>20V/S
Ambient Temperature	-5℃ ~ +40℃
Insulation	>5MΩ
Withstand Voltage	1500V/min without breakdown
Output Waveform Distortion	<1.0%
Voltage Indication	Three voltmeters indicate the voltage of each phase respectively
Protection Performance	When the output line voltage is higher than 426V±7V, the circuit board protection unit should be activated and the execution unit should cut off the input. (TNS-1.5kVA, 3kVA, 4.5kVA, 6kVA, 9kVA, 15kVA have no protection function)

User Instructions



Output single-phase 220V
Output three-phase 380V
Capacity curve

Output single-phase
110V and 220V
Capacity curve

P2-output capacity;
U1-input voltage;
Ux-lower limit of the allowable input voltage range;

Us-upper limit of the allowable input voltage range.

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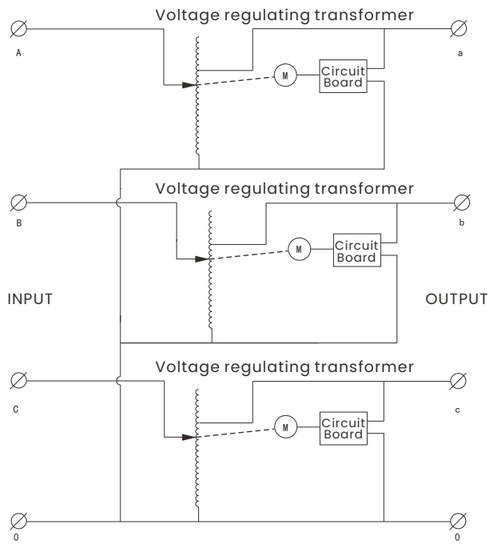
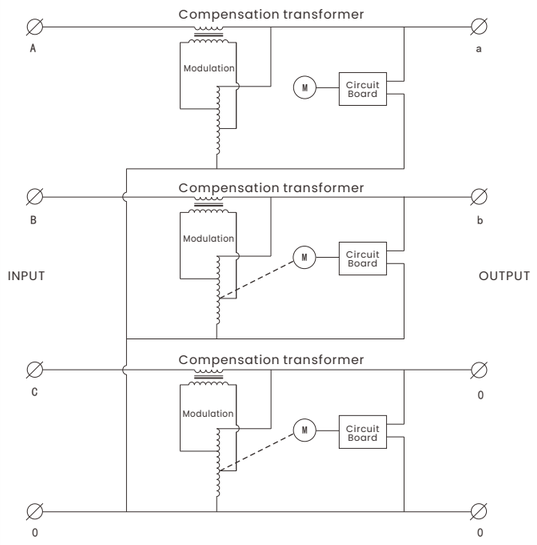
Electrical Schematic

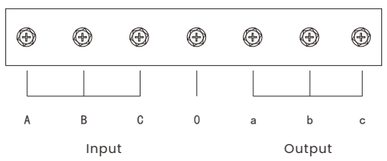


TJS-(1.5-30)kVA electrical schematic diagram (for reference only)

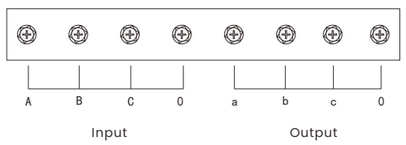


TJS-(40-50)kVA (for reference only)

Wiring Diagram



TJS-(1.5-30)kVA wiring diagram



TJS-(40-50)kVA wiring diagram

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Appearance and Installation Dimensions

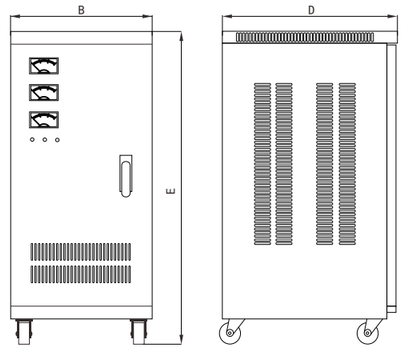

Figure 1

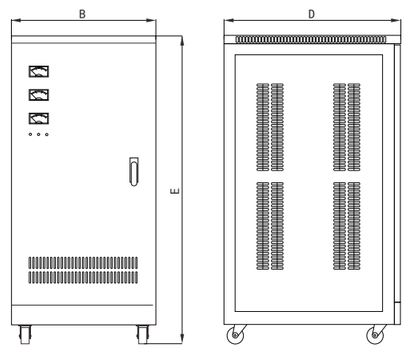

Figure 2

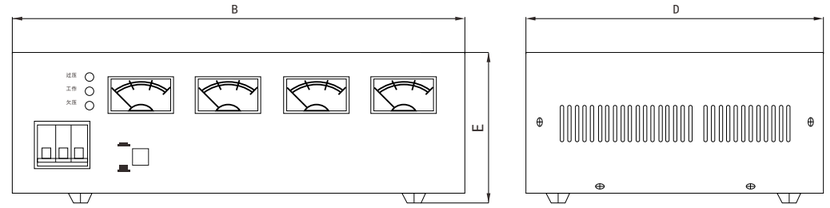

Figure 3

Model Specifications	Dimensions (mm)			Figure No
	B	D	E	
TJS(SVC)-1.5kVA	485	335	175	Figure 3
TJS(SVC)-3kVA	485	335	175	
TJS(SVC)-4.5kVA	485	335	175	
TJS(SVC)-6kVA	270	350	680	Figure 1
TJS(SVC)-9kVA	320	390	780	
TJS(SVC)-15kVA	360	445	780	Figure 2
TJS(SVC)-20kVA	390	520	855	
TJS(SVC)-30kVA	490	490	980	
TJS(SVC)-50kVA	540	655	1175	