

**TNSJA-II Oil Immersed Induction Stabilizer 3Phases Series**

**Feature**

TNSJA-II series the 2nd generation Industrial Oil-immersed Induction(Brushless/Stepless) Voltage Stabilizer is composed of voltage regulator and transformer SSTS (including, oil tank, stator, rotor top Cover, drive control motor M, hand wheel, control circuit board and secondary circuit elements for voltage regulation control. It achieves the rotational voltage regulation through electric motor drive or hand wheel and gear coupling within the rotation range of 1800. Besides, it is provided with the electric SS limit and mechanical limit on the upper end of the oil tank. For electric SS limit, the power supply of motor is switched off by a limit switch and for the mechanical limit, the rotational limit is stopped by bolt protector. The stator winding and rotor winding are fixed by the base frame and put into the oil tank with 10 # transformer oil. When the load generates heat, the heat dissipates from the radiating pipe by the way of Oil-immersed cooling. The oil immersed voltage stabilizer has the functions of phase failure, phase loss, overvoltage and over-current protections, and its main circuit has the characteristics of contactless voltage regulation, no mechanical wearing, no spark, no interference and low failure rate. In addition, this voltage stabilizer has the advantages of high impact resistance, super strong instantaneous overload capacity, long service life and maintenance free.

- ★ Stepless voltage adjustment (brushless)  
With inductive and contactless voltage regulation, the voltage stabilizer can increase and decrease the load voltage linearly.
- ★ Excellent features  
By using high-magnetic-inductivity silicon steel sheet made in Japan, this voltage stabilizer minimizes the no-load loss and no-load current, and with its performance utilized best, reduces power loss.
- ★ Robust, durable and long life expectancy  
The internal body of this voltage stabilizer is induction voltage regulator IVR, containing no carbon brush and its main characteristics are permanent wear-proof, robust and long service life.
- ★ Efficiency >98%, with no waveform distortion.

**Application**

widely used in Industry, Traffic, Defense, Rail Ways, Large machine tool, Metal Processing Equipments, Production Line, Air Conditioner, Broadcast Television, Building Lighting Equipment and other Equipments which need stable voltage, and are highly suitable to the equipments which needs high reliable and high stable power supply, or equipments in high amplitude of fluctuation voltage net.

**Specification**

**50KVA/75KVA/100KVA**



Model	Rated Power (KVA)	Output max current(A)	Product size DxWxH(cm)	Package size DxWxH(cm)	Qty per pkg (unit)
TNSJA-II 50KVA	50	76	92 × 92 × 137	105 × 105 × 152	1
TNSJA-II 75KVA	75	114	92 × 92 × 137	105 × 105 × 152	1
TNSJA-II 100KVA	100	152	92 × 92 × 137	105 × 105 × 152	1

Input voltage Phase voltage 220V±20%, wire voltage 380V±20%  
 Output voltage Phase voltage 220V, wire voltage 380V  
 Accuracy of voltage ±1~5%(adjustable)  
 Frequency 50Hz/60Hz  
 Efficiency > 98%  
 Response time <0.5S  
 Cooling system Oil-immersed self-cooled  
 Protection Over-voltage, under-voltage, phase sequence & fault alarm etc. protection system.

**150KVA/200KVA/250KVA**



Model	Rated Power (KVA)	Output max current(A)	Product size DxWxH(cm)	Package size DxWxH(cm)	Unit Per Pkg
TNSJA-II 150KVA	150	228	92 × 92 × 145	105 × 105 × 160	1
TNSJA-II 200KVA	200	304	92 × 92 × 145	105 × 105 × 160	1
TNSJA-II 250KVA	250	380	92 × 92 × 145	105 × 105 × 160	1

Input voltage Phase voltage 220V±20%, wire voltage 380V±20%  
 Output voltage Phase voltage 220V, wire voltage 380V  
 Accuracy of voltage ±1~5%(adjustable)  
 Frequency 50Hz/60Hz  
 Efficiency > 98%  
 Response time <0.5S  
 Cooling system Oil-immersed self-cooled  
 Protection Over-voltage, under-voltage, phase sequence & fault alarm etc. protection system.

◆ All specifications subject to change without notice. ◆ Custom-made specifications are acceptable.

**TNSJA-II Oil Immersed Induction Stabilizer 3Phases Series**

**300KVA/400KVA/500KVA/600KVA**



Model	Rated Power (KVA)	Output max current(A)	Product size DxWxH(cm)	Package size DxWxH(cm)	Qty per pkg (unit)
TNSJA-II 300KVA	300	456	105 × 105 × 158	118 × 118 × 173	1
TNSJA-II 400KVA	400	608	105 × 105 × 158	118 × 118 × 173	1
TNSJA-II 500KVA	500	760	105 × 105 × 158	118 × 118 × 173	1
TNSJA-II-600KVA	600	912	138 × 138 × 165	151 × 151 × 180	1

Input voltage Phase voltage 220V±20%, wire voltage 380V±20%  
 Output voltage Phase voltage 220V, wire voltage 380V  
 Accuracy of voltage ±1~5%(adjustable)  
 Frequency 50Hz/60Hz  
 Efficiency > 98%  
 Response time <0.5S  
 Cooling system Oil-immersed self-cooled  
 Protection Over-voltage, under-voltage, phase sequence & fault alarm etc. protection system.

**800KVA/1000KVA/1250KVA**



Model	Rated Power (KVA)	Output max current(A)	Product size DxWxH(cm)	Package size DxWxH(cm)	Qty per pkg (unit)
TNSJA-II 800KVA	800	1216	135 × 135 × 175	148 × 148 × 190	1
TNSJA-II 1000KVA	1000	1520	135 × 135 × 175	148 × 148 × 190	1
TNSJA-II 1250KVA	1250	1900	135 × 135 × 175	148 × 148 × 190	1

Input voltage Phase voltage 220V±20%, wire voltage 380V±20%  
 Output voltage Phase voltage 220V, wire voltage 380V  
 Accuracy of voltage ±1~5%(adjustable)  
 Frequency 50Hz/60Hz  
 Efficiency > 98%  
 Response time <0.5S  
 Cooling system Oil-immersed self-cooled  
 Protection Over-voltage, under-voltage, phase sequence & fault alarm etc. protection system.

**1600KVA/1800KVA/2000KVA**



Model	Rated Power (KVA)	Output max current(A)	Product size DxWxH(cm)	Package size DxWxH(cm)	Qty per pkg (unit)
TNSJA-II 1600KVA	1600	2432	154 × 154 × 195	167 × 167 × 210	1
TNSJA-II 1800KVA	1800	2735	154 × 154 × 195	167 × 167 × 210	1
TNSJA-II 2000KVA	2000	3039	154 × 154 × 195	167 × 167 × 210	1

Input voltage Phase voltage 220V±20%, wire voltage 380V±20%  
 Output voltage Phase voltage 220V, wire voltage 380V  
 Accuracy of voltage ±1~5%(adjustable)  
 Frequency 50Hz/60Hz  
 Efficiency > 98%  
 Response time <0.5S  
 Cooling system Oil-immersed self-cooled  
 Protection Over-voltage, under-voltage, phase sequence & fault alarm etc. protection system.

**2500KVA/3000KVA/3600KVA**



Model	Rated Power (KVA)	Output max current(A)	Product size DxWxH(cm)	Package size DxWxH(cm)	Qty per pkg (unit)
TNSJA-II 2500KVA	2500	3800	138 × 200 × 200	150 × 215 × 215	1
TNSJA-II 3000KVA	3000	4560	138 × 200 × 200	150 × 215 × 215	1
TNSJA-II 3600KVA	3600	5472	138 × 200 × 200	150 × 215 × 215	1

Input voltage Phase voltage 220V±20%, wire voltage 380V±20%  
 Output voltage Phase voltage 220V, wire voltage 380V  
 Accuracy of voltage ±1~5%(adjustable)  
 Frequency 50Hz/60Hz  
 Efficiency > 98%  
 Response time <0.5S  
 Cooling system Oil-immersed self-cooled  
 Protection Over-voltage, under-voltage, phase sequence & fault alarm etc. protection system.

◆ All specifications subject to change without notice. ◆ Custom-made specifications are acceptable.