

TNS_{SERIES}

ABOUT THE PRODUCT:

Velox Power TNS series is a line of three phase voltage stabilizers. This line up of stabilizers come with automatic voltage stabilization and a quick response time. It features a three phase compensation servo motor control technology. It comes with professional grade ICs and components.

MAIN FEATURES:

- Digital display for input/output voltages, current, and temperature
- Easy-to-use interface with silent operation
- Wide voltage range (276V-450V) and frequency range (45Hz-55Hz)
- Overvoltage, undervoltage, overload, and overheating protection
- High-speed correction with zero waveform distortion
- Optional isolated bypass switch and output isolation transformer
- Optional surge protection and communication protocols (RS232/RS485)
- Application in Commercial, Industrial, Medical, IT, Infrastructure, and Financial sectors

Industrial Equipment

3 Phase Servo Motor

Automatic Voltage Stabilizer (20kVA – 100kVA)



TECHNICAL SPECIFICATIONS FOR TNS SERIES

Model		TNS-20	TNS-30	TNS-40	TNS-50	TNS-60	TNS-80	TNS-100
Rating (KVA)		20 kVA	30 kVA	40 kVA	50 kVA	60 kVA	80 kVA	100 kVA
Input	Phase	Three phase + N + PE (L1+L2+L3 + N + PE)						
	Nominal Voltage	380V-400V-415Vac 3-Phase						
	Voltage Range	276 V-450V						
	Frequency Range	45-55 Hz						
Output	Rated Voltage	380 V						
	Precision	±2%						
	Response Time	<1 sec. (Against 10% input voltage deviation)						
	Efficiency	>90%						
	Delay Time	6s-180s (Selectable)						
	Power Factor	0.8/0.9 (Optional)						
Display	Input Voltage	Digital						
	Output Voltage	Digital						
	Output Current	Digital						
	Temperature	Digital						
Safety	Insulation Voltage	1500 V / Leakage Current 5MA						
	Insulation Resistance	>2MΩ						
	Creepage Distance	>2.5 mm						
	Grounding Resistance	<0.1Ω						
	Insulation Class of Coil	B						
	Cooling Mode	Natural / Air Cooling						
	IP Level	IP-20						
	Audible Noise	30dB						
Environment	Operating Temperature	-10°C~+50°C						
	Operating Humidity	≤97%						
	Operating Altitude	1000M						
Physicals	Dimension: LxWxH (mm)	530X340X770	530X410X770	590X450X830	650X470X870		700X550X1180	
	Net Weight: (kg)	100	115	130	157	166	180	188
	Packing: LxWxH (mm)	580X460X910		640X500X970	700X520X970		750X600X1260	
	Gross Weight: (kg)	115	130	145	165	175	190	198

Note : Product specifications are subject to change purely on company's discretion without any prior notice. *Range can be customised as per requirement

WHY VELOX POWER?



Easy user interface



Higher efficiency



Silent operation



Compact footprint



Low cost of ownership