

# TNS Series

## » AC. Automatic Voltage Regulator/Stabilizer

### TNS Servomotor type AVR/AVS, with Analog/Digital Meter display, Single phase

#### ► Features

The series product is a servo-motor type high accuracy household voltage stabilizer. Low power consumption, reliable work, high accuracy of stabilization, and good for use in regions where the net voltage is much fluctuating.

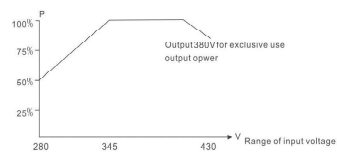
#### ► Applications

Computer, Testing equipment, Lighting system, Communication system, Medical equipment, Industrial automatic equipment, Stereo sound equipment and home appliance etc.

#### ► Main Technical Datas

Phase no.	Three phase
Input voltage	280V~430V
Output voltage	300V
Output accuracy	380V ± 2.5%
Frequency	50Hz/60Hz
Efficiency	>90%
Response time	≤1.5s(against 10% input voltage deviation)
Ambient temperature	-10°C~+40°C
Relative humidity	<95%
Insulation resistance	>2MΩ
Withstand voltage	1500V/min.
Overload	Double rated current, one min.
Waveform distortion	No additional waveform distortion
Protection function	Over-voltage, under-voltage, over-load, short circuit, time delay etc.

Remarks: 380V/400V/415V/440V 3Phase optional  
220V/230V/240V/250V 3Phase optional



Overload capability	Max overload time mins
20%	60
40%	30
60%	4

#### ► Craft Images



◆ All specifications subject to change without notice.

#### ► Order Specifications



Analog/LED/LCD meter optional



#### 6KVA

Input voltage	280V-430V	Efficiency	> 90%
Output voltage	380V	Ambient temperature	-10°C ~ +40°C
Accuracy of voltage	380V ± 2.5%	Relative humidity	< 95%
Frequency	50Hz/60Hz	Waveform distortion	No additional waveform distortion
Response time	≤ 1.5s	Package size W × D × H(cm)	40 × 43 × 74
Insulation resistance	>2MΩ	Qty per pkg(unit)	1
Protection function	Over-voltage, under-voltage, over-load, short circuit, time delay etc.		



#### 9KVA/10KVA

Input voltage	280V-430V	Efficiency	> 90%
Output voltage	380V	Ambient temperature	-10°C ~ +40°C
Accuracy of voltage	380V ± 2.5%	Relative humidity	< 95%
Frequency	50Hz/60Hz	Waveform distortion	No additional waveform distortion
Response time	≤ 1.5s	Package size W × D × H(cm)	37 × 44 × 85
Insulation resistance	>2MΩ	Qty per pkg(unit)	1
Protection function	Over-voltage, under-voltage, over-load, short circuit, time delay etc.		



#### 15KVA

Input voltage	280V-430V	Efficiency	> 90%
Output voltage	380V	Ambient temperature	-10°C ~ +40°C
Accuracy of voltage	380V ± 2.5%	Relative humidity	< 95%
Frequency	50Hz/60Hz	Waveform distortion	No additional waveform distortion
Response time	≤ 1.5s	Package size W × D × H(cm)	45 × 50 × 85
Insulation resistance	>2MΩ	Qty per pkg(unit)	1
Protection function	Over-voltage, under-voltage, over-load, short circuit, time delay etc.		



#### 20KVA

Input voltage	280V-430V	Efficiency	> 90%
Output voltage	380V	Ambient temperature	-10°C ~ +40°C
Accuracy of voltage	380V ± 2.5%	Relative humidity	< 95%
Frequency	50Hz/60Hz	Waveform distortion	No additional waveform distortion
Response time	≤ 1.5s	Package size W × D × H(cm)	52 × 60 × 95
Insulation resistance	>2MΩ	Qty per pkg(unit)	1
Protection function	Over-voltage, under-voltage, over-load, short circuit, time delay etc.		



#### 30KVA

Input voltage	280V-430V	Efficiency	> 90%
Output voltage	380V	Ambient temperature	-10°C ~ +40°C
Accuracy of voltage	380V ± 2.5%	Relative humidity	< 95%
Frequency	50Hz/60Hz	Waveform distortion	No additional waveform distortion
Response time	≤ 1.5s	Package size W × D × H(cm)	52 × 60 × 95
Insulation resistance	>2MΩ	Qty per pkg(unit)	1
Protection function	Over-voltage, under-voltage, over-load, short circuit, time delay etc.		

◆ Custom-made specifications are acceptable

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### 40KVA

Input voltage	280V-430V	Efficiency	> 90%
Output voltage	380V	Ambient temperature	-10°C ~ +40°C
Accuracy of voltage	380V ± 2.5%	Relative humidity	< 95%
Frequency	50Hz/60Hz	Waveform distortion	No additional waveform distortion
Response time	≤ 1.5s	Package size W × D × H(cm)	61 × 72 × 120
Insulation resistance	>2MΩ	Qty per pkg(unit)	1
Protection function	Over-voltage, under-voltage, over-load, short circuit, time delay etc.		



### 45KVA

Input voltage	280V-430V	Efficiency	> 90%
Output voltage	380V	Ambient temperature	-10°C ~ +40°C
Accuracy of voltage	380V ± 2.5%	Relative humidity	< 95%
Frequency	50Hz/60Hz	Waveform distortion	No additional waveform distortion
Response time	≤ 1.5s	Package size W × D × H(cm)	61 × 72 × 120
Insulation resistance	>2MΩ	Qty per pkg(unit)	1
Protection function	Over-voltage, under-voltage, over-load, short circuit, time delay etc.		



### 50KVA

Input voltage	280V-430V	Efficiency	> 90%
Output voltage	380V	Ambient temperature	-10°C ~ +40°C
Accuracy of voltage	380V ± 2.5%	Relative humidity	< 95%
Frequency	50Hz/60Hz	Waveform distortion	No additional waveform distortion
Response time	≤ 1.5s	Package size W × D × H(cm)	61 × 72 × 120
Insulation resistance	>2MΩ	Qty per pkg(unit)	1
Protection function	Over-voltage, under-voltage, over-load, short circuit, time delay etc.		



### 60KVA

Input voltage	280V-430V	Efficiency	> 90%
Output voltage	380V	Ambient temperature	-10°C ~ +40°C
Accuracy of voltage	380V ± 2.5%	Relative humidity	< 95%
Frequency	50Hz/60Hz	Waveform distortion	No additional waveform distortion
Response time	≤ 1.5s	Package size W × D × H(cm)	61 × 72 × 120
Insulation resistance	>2MΩ	Qty per pkg(unit)	1
Protection function	Over-voltage, under-voltage, over-load, short circuit, time delay etc.		



### 75KVA

Input voltage	280V-430V	Efficiency	> 90%
Output voltage	380V	Ambient temperature	-10°C ~ +40°C
Accuracy of voltage	380V ± 2.5%	Relative humidity	< 95%
Frequency	50Hz/60Hz	Waveform distortion	No additional waveform distortion
Response time	≤ 1.5s	Package size W × D × H(cm)	71 × 62 × 145
Insulation resistance	>2MΩ	Qty per pkg(unit)	1
Protection function	Over-voltage, under-voltage, over-load, short circuit, time delay etc.		



### 80KVA

Input voltage	280V-430V	Efficiency	> 90%
Output voltage	380V	Ambient temperature	-10°C ~ +40°C
Accuracy of voltage	380V ± 2.5%	Relative humidity	< 95%
Frequency	50Hz/60Hz	Waveform distortion	No additional waveform distortion
Response time	≤ 1.5s	Package size W × D × H(cm)	71 × 62 × 145
Insulation resistance	>2MΩ	Qty per pkg(unit)	1
Protection function	Over-voltage, under-voltage, over-load, short circuit, time delay etc.		



### 90KVA

Input voltage	280V-430V	Efficiency	> 90%
Output voltage	380V	Ambient temperature	-10°C ~ +40°C
Accuracy of voltage	380V ± 2.5%	Relative humidity	< 95%
Frequency	50Hz/60Hz	Waveform distortion	No additional waveform distortion
Response time	≤ 1.5s	Package size W × D × H(cm)	71 × 62 × 145
Insulation resistance	>2MΩ	Qty per pkg(unit)	1
Protection function	Over-voltage, under-voltage, over-load, short circuit, time delay etc.		



### 100KVA

Input voltage	280V-430V	Efficiency	> 90%
Output voltage	380V	Ambient temperature	-10°C ~ +40°C
Accuracy of voltage	380V ± 2.5%	Relative humidity	< 95%
Frequency	50Hz/60Hz	Waveform distortion	No additional waveform distortion
Response time	≤ 1.5s	Package size W × D × H(cm)	71 × 62 × 145
Insulation resistance	>2MΩ	Qty per pkg(unit)	1
Protection function	Over-voltage, under-voltage, over-load, short circuit, time delay etc.		



### 110KVA

Input voltage	280V-430V	Efficiency	> 90%
Output voltage	380V	Ambient temperature	-10°C ~ +40°C
Accuracy of voltage	380V ± 2.5%	Relative humidity	< 95%
Frequency	50Hz/60Hz	Waveform distortion	No additional waveform distortion
Response time	≤ 1.5s	Package size W × D × H(cm)	71 × 62 × 145
Insulation resistance	>2MΩ	Qty per pkg(unit)	1
Protection function	Over-voltage, under-voltage, over-load, short circuit, time delay etc.		



### 120KVA

Input voltage	280V-430V	Efficiency	> 90%
Output voltage	380V	Ambient temperature	-10°C ~ +40°C
Accuracy of voltage	380V ± 2.5%	Relative humidity	< 95%
Frequency	50Hz/60Hz	Waveform distortion	No additional waveform distortion
Response time	≤ 1.5s	Package size W × D × H(cm)	71 × 62 × 145
Insulation resistance	>2MΩ	Qty per pkg(unit)	1
Protection function	Over-voltage, under-voltage, over-load, short circuit, time delay etc.		

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