TNS Series

AC. Automatic Voltage Regulator

FEATURES:

- Servo motor type
- Three phase individual control
- High precision regulation output
- Phase failure and wrong phase sequence protection
- Full protection: over voltage, under voltage, overheat, overload, sag, surge, spike and short circuit
- Delay Time to protect the equipment from rapid fluctuations













•		MODEL THIS JOHN HITELES AND A STREET	=:		
•	MODEL THIS SOCIAL THIRD CHARGE CE AUTOMOBILE VICTORIA	MODEL THIS SOCIAL THIRD CHARGE CE AUTOMOBILE VICTORIA			
	THE PARTY WAS THE	THE PARTY WAS THE		•	

TNS-1.5KVA TNS-3KVA TNS-4.5KVA

0.0.0.

TNS-20KVA

Model		TNS-1.5KVA	TNS-3KVA	TNS-4.5KVA	TNS-6KVA	TNS-9KVA	TNS-15KVA
Power		1500VA 3000VA 4500VA 6000VA 9000VA 15000V					
Technology		Three Phase AVR + Individual Phase Control + Digital CPU Control					
Transformer		Servo Motor Type					
Input	Input voltage range	304-456V (260-430V Optional)					
три	Input frequency	50/60Hz					
Output	Output voltage	380V (400V/415V Optional)					
Output precision ± 3%							
Delay Time					selectable		
Respond Time			<		riation of input voltag	ge	
Efficiency				≥9			
Phase					phase		
	Input current	Phase Current: A, B, C					
Display	Output voltage	Line Voltage: AB, BC, CA Phase Voltage: A, B, C					
LED indicators	Red LED			Working status	of phase A, B, C		
	High voltage				ff by contactor		
	Low voltage				ff by contactor		
	Phase Failure	Output cutoff by contactor					
Protection	Wrong Phase Sequence	Can't switch on regulator					
	Surge/Spike	Optional, replaceable SPD					
	Manual Bypass	Yes, i solated					
	Over load				ff by contactor		
	High temperature				ff by contactor		
	Short circuit	Input cutoff by air breaker					
Safety standards	Insulation Voltage	2,000V / 60s					
	Insulation Resistance	>5ΜΩ					
	Creepage Distance	>8mm					
	Grounding Resistance	<0.1mΩ					
	Insulation Class of Coil	Class F (155 °C)					
	Cooling Mode	Smart Cooling Fan					
	IP Level	IP20					
	Audible Noise	<65dB at 1 m distance with full load					
Environmental	Operating temperature				- 45℃		
Environmental	Stroage temperature				-45℃		
	Operating relative humidity	10%RH - 90%RH, Non-condensing					

TNS Series

AC. Automatic Voltage Regulator

FEATURES:

- Servo motor type
- Three phase individual control
- High precision regulation output
- Phase failure and wrong phase sequence protection
- Full protection: over voltage, under voltage, overheat, overload, sag, surge, spike and short circuit
- Delay Time to protect the equipment from rapid fluctuations















TNS-40KVA TNS-60KVA TNS-90KVA

Model		TNS-20KVA	TNS-30KVA	TNS-40KVA	TNS-60KVA	TNS-75KVA	TNS-100KVA	
Power		20KVA 30KVA 40KVA 60KVA				75KVA	100KVA	
Technology		Three Phase AVR + Individual Phase Control + Digital CPU Control						
Transformer	er			Servo N	Notor Type			
Input	Input voltage range	304-456V (260-430V Optional)						
	Input frequency	50/60Hz						
	Output voltage	380V (400V/415V Optional)						
Output Output precision ± 3%								
Delay Time		6s/180s selectable						
Respond Time				<1s, against 10% va	riation of input volta	ge		
Efficiency		≥95%						
Phase		Three phase						
	Input current	Phase Current: A, B, C						
Display	Output voltage	Line Voltage: AB, BC, CA Phase Voltage: A, B, C						
LED indicators	Red LED			Working status	of phase A, B, C			
	High voltage			Output cuto	off by contactor			
	Low voltage			Output cuto	off by contactor			
	Phase Failure	Output cutoff by contactor						
Protection	Wrong Phase Sequence	Can't switch on regulator						
	Surge/Spike	Optional, replaceable SPD						
	Manual Bypass	Yes, isolated						
	Over load	Output cutoff by contactor						
	High temperature			Output cuto	off by contactor			
	Short circuit	Input cutoff by air breaker						
Safety standards	Insulation Voltage	2,000V / 60s						
	Insulation Resistance	>5MΩ						
	Creepage Distance	>8mm						
	Grounding Resistance	<0.1mΩ						
	Insulation Class of Coil	Class F (155℃)						
	Cooling Mode	Smart Cooling Fan						
	IP Level	IP20						
Environmental	Audible Noise	<65dB at 1m distance with full load						
	Operating temperature	-5℃ - 45℃						
Environmental	Stroage temperature	-15℃ - 45℃						
	Operating relative humidity	10%RH - 90%RH, Non-condensing						