TND series single-phase and 3phase high-precision automatic AC voltage regulator (power supply), is composed by the auto-transformer, servo motor, automatic control circuit and other components.When the grid voltage instability or load change, the automatic voltage control circuit will send a sampling signal to drive the servo motor to adjust the carbon Brush position on the auto transformer . So that the regulator output voltage is adjusted to the rated value and reaches a steady state.

This product has non-waveform distortion, high efficiency, reliable performance, long-term operation and so on. And the regulator also has delayed starting , over-voltage protection. Long time delay low voltage protection functions can be added according to user needs. The regulator can be widely applied to any electrical locations and it is an ideal power supply (regulator), to ensure the normal operation of your electrical equipment.

Ideal application: Office equipment, test equipment, medical equipment, industrial automation equipment, household appliances, lighting systems, communication systems, etc.

SPECIFICATION:

MODEL	Single Phase								
VA rating	1KVA	2KVA	3KVA	5KVA	8KVA	10KVA	15KVA	20KVA	30KVA
INPUT									
Phase	Single phase +N +GND								
Voltage range	160Vac-250Vac or 80-150Vac								
OUTPUT									
Voltage	220V or 110Vac								
Voltage precision	≤ ±3%								
Frequency	50/60Hz								
Over-voltage protection	250V ±5V or 110V±3V								
Low-voltage protection	183V ±5V or 95 ±3V								
Efficiency	≥96%								
OTHERS									
Display model	LED & METER								
Input/output device	Optional plug; socket / terminal								
Waveform distortion	No affixation waveform distortion								
Response time	(+10% varies) <1s								
Insulation resistance	≥2MΩ								
Anti-electricy intension	Low Frequency Sine Voltage 1500V Take 1 minute No Rout and Camber phenomena								
Ambient temperature	0℃-40℃								
Relative humidity	≤95%								
Working	Continue								
Dimension(WxDxH)cm	**22.5*20.5*17**	**27*24.5*19.5**	**30*23.5*23**	**32*23.5*27.5**	**34.5*31.5*54**	**34.5*31.5*54**	**38.5*28.5*77.5**	**38*33*77.5**	**38*42*78.5**
Packing(WxDxH)cm	**49*28.5*40**	**60.5*35*25.5**	**61.5*38.5*29**	**40*32*35**	**62*45*42**	**62*45*42**	**38*48.5*90**	**42*49*91**	**42*49*91**
Gross Weight(kg)	**21**	**10.5**	**12.5**	**18**	**31**	**35**	**55**	**63**	**75**

Three Phase Specification	
INPUT	
Phase	3 Phase+N+GND
Voltage Range	Line Voltage 277Vac-433Vac
OUTPUT	
Voltage	380V
Voltage Precision	≤±3%
Frequency	50/60Hz
Over-voltage Protection	Output Voltage 250V±5V
Low-voltage Protection	Output Voltage 183V±5V
Efficiency	≥96%
OTHERS	
Display Model	LED / METER
Input/Output Device	Terminal
Waveform Distortion	No Affixation Waveform Distortion
Response Time	(±10% Varies) <1s
Insulation Resistance	≥2MΩ
Anti-electricy Intension	Low Frequency Sine Voltage 1500V Take 1 minute No Rout and Camber phenomena
Ambient Temperature	0℃-40℃
Relative Humidity	≤95%
Working	Continue
Physical	

Model	Packing(WxDxH)cm	Goods(WxDxH)cm	Weight(kg)	Carton(Pcs)

TNS/SVC-6KVA	**42*55*72**	**33*46*53/61**	40	**1**
TNS/SVC-9KVA	**42*55*72**	**33*46*53/61**	**43**	**1**
TNS/SVC-15KVA	**42*55*72**	**33*46*53/61**	**56**	**1**
TNS/SVC-20KVA	**47*60*82**	**38*51*63/71**	**92**	**1**
TNS/SVC-30KVA	**47*60*82**	**38*51*63/71**	**110**	**1**
TNS/SVC-40KVA	**47*60*82**	**39*64*75/83**	**153**	**1**
TNS/SVC-50KVA	**47*60*82**	**39*64*75/83**	**174**	**1**
TNS/SVC-60KVA	**51*78*104**	**42*69*85/93**	**185**	**1**
TNS/SVC-75KVA	**60*76*122**	**51*67*101/111**	**226**	**1**
TNS/SVC-90KVA	**60*76*122**	**51*67*101/111**	**240**	**1**
TNS/SVC-100KVA	**60*76*122**	**51*67*101/111**	**250**	**1**

Subject to change of specification without notice.