

Technical Specifications for Three Phase Stabilizers

1. Normal Output Voltage	415 V (Internally sttable to 380V or 400V)
2. Input Voltage Range at 415V output voltage	
Model TPAC 1080	310V – 480V
Model TPAC 4080	340V – 480V
Model TPAC 6060	360V – 460V
3. Input frequency range	47 Hz – 53 Hz
4. Type of stabilizer	Suitable for Balanced & unbalanced Loads and Input voltages
5. Output voltage regulation	+/- 1% of nominal voltage
6. Average correction rate	70V / Sec
7. Servo Motor drive	A.C. Synchronous stepper motor
8. Efficiency	Better than 97%
9. Output Voltage Indication	Digital Voltmeter
10. Resolution & accuracy of Digital Voltmeter	1V; +/- 0.5% of Full Scale, +/- 1 digit
11. Electronic Over and Under Voltage cut off	
Output high	+ 5% above Nominal output voltage
Output Low	- 10% below Nominal output voltage
12. Electronic overload cut off	Operative above 110% of rated output current with intelligent time delay
13. Single Phasing prevention	By each phase voltage sensing and trip through contactor
14. Short circuit protection	Through HRC Fuse at input
15. Stabilizer By-pass switch	Provided on the input side
	Standard upto 45 KVA (optional above 45KVA)
16. Fault annunciation Panel LEDs	Input present, Input high, Input Low, Output Normal, output high, output low, & overload
17. Resetting mode	Automatic with option for Manual Restart
18. Output ON time delay	Standard 15 seconds (Internal settable 3 mins)
19. Response time	10 ms
20. Housing	Rack with pleasing aesthetics and castor wheels designed to protect against ingress of foreign particles
21. Standard KVA rating available	3 / 6 / 10 / 12 / 15 / 20 / 25 / 30 / 35 / 40 / 45 / 50 / 60 / 75 / 100 / 125 / 150 / 200 / 250 / 300 / 350 / 400
22. Guarantee	1 year
23. Installation requirements to be provided by the customer	Input / output cables and other accessories to be provided by the user

Servo Controlled Voltage Stabilizer - Single Phase: Technical Specifications

1. Nominal Output Voltage	230V (internally settable to 220V or 240V)
2. Input Regulation range	170V – 270V
3. Output Voltage Regulation	+/- 1% of Nominal Voltage
4. Input frequency range	47 Hz – 53 Hz
5. Servo Drive	A.C. Synchronous Stepper Motor
6. Average Correction rate	35 V / second.
7. Short circuit protection	HRC Fuse at input.
8. Electronic under & over Voltage cut off	
Output high	+ 5% above Nominal output voltage
Output Low	- 10% below Nominal output Voltage
9. Electronic overload cut off	Operative above 110% of rated output current with intelligent time delay
10. Output Voltage indication	Digital Voltmeter
11. Resolution & Accuracy of Digital Voltmeter	
Voltmeter	1V ; +/- 0.5% of full scale, +/- 1 digit
12. Efficiency	> 97%
13. Annunciation Panel LEDs	Input Present, Output Normal, Output High, Output Low & Over Load.
14. Resetting Mode	Automatic with option for Manual reset.
15. Standard KVA rating	.5,1,2,3,4,5,7,10,15,20 & 25