

SPECIFICATION FOR MICRO CONTROLLER BASED DIGITAL SERVO VOLTAGE STABILIZER
(3KVA, 6KVA, 9KVA, 15KVA, 20KVA, 25KVA, 30KVA , 40KVA, 50KVA 60KVA, 75KVA, 100KVA , 125KVA, 150KVA)
(Air Cooled)

1	Purpose	To receive a fluctuation, unbalanced AC Voltage of large amplitude & deliver distortion less, constant output voltage within band of +/-1%		
2	Rating	3KVA, 6KVA, 9KVA, 15KVA, 20KVA, 25KVA, 30KVA , 40KVA, 50KVA 60KVA, 75KVA, 100KVA,125KVA, 150KVA /3Phase 4 Wire System		
3	Equipment conforms to	IS 9815		
4	Usage	Suitable for Unbalanced Input Voltages and		
		Unbalanced Output loads.		
5	Duty Cycle	Continuous		
6	Degree of protection	IP 51		
7	Cooling	Air cooled		
8	Heat dissipation	80Degree		
9	Insulation	Class 'B'		
10	Input	300-480V/3Phase	340-480V/3Phase	360-460V/3Phase
11	Output	415V+/-1%	415V+/-1%	415V+/-1%
12	Frequency Variation	49-52Hz		
13	Operating Temperature	5 deg C to 45 deg C		
14	Efficiency	Better than 97%		
15	Speed of correction	50V/Sec		
16	Response time	10 msec		
17	Losses across the device	No Load losses <1% and Load losses < 4% max		
18	Overload capacity	110% Continuous, 125% for 3 to 5 Sec, 300% momentary		
19	Output Distortion	Nil		
20	Correction Methodology	Servo Motor		
21	Control Circuit	Micro Controlled based Digital Circuit		
22	Monitoring / Metering System	● Digital LCD Type Voltmeter (class 1.0) to read Input & Output voltages ● Digital LCD Type Ammeter (Class 1.0) ● Frequency meter (Class 1.0)		
23	Protections	● High/ Low voltage protection for input and output. ● Overload protection ● Single phase preventer ● Phase reversal Protection. ● Auto restarts time setting. ● Over Load cut off time setting. ● Voltage cut off time setting.		
24	LED Indications	Input fail : Red LED Phase Reversal Indication (PHR) : Red LED Overload Indication (OVL) : Red LED Output ON : Green LED		
25	Cable entry	Rare side Terminal Box		
26	Color Shade	RAL 7032 polyester base powder with seven tank system Powder coating of 70/80 Microns thickness		
27	Winding Wire	Electrolytic Grade Copper Winding		
28	Type of Use	Indoor Type Floor Mounting		