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

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1	**Purpose**	To receive a fluctuation, unbalanced AC Voltage of largeamplitude & 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** &
		Unbalanced Output loads.
5	**Duty Cycle**	Continuous
6	**Degree of protection**	IP 65
7	**Cooling**	**Air cooled**
8	**Heat dissipation**	80Degree
9	**Insulation**	Class 'B'
10	**Input**	**340-480V/3Phase**
11	**Output**	**415V+/-1%**
12	**Frequency Variation**	49-52Hz
13	**Operating Temperature**	5 deg C to 45 deg C
14	**Efficiency**	Better than 98%
15	**Speed of correction**	40V/Sec
16	**Response time**	10msec
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. ● Spike Suppresor
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 systemPowder coating of 70/80 Microns thickness
27	**Winding Wire**	Electrolytic Grade Copper Winding
28	**Type of Use**	**Indoor Type Floor Mounting**