SPECIFICATION OF SERVO CONTROLLED VOLTAGE STABILIZER
(3KVA, 6KVA, 9KVA, 15KVA, 20KVA, 25KVA, 30KVA, 40KVA, 50KVA, 60KVA, 75KVA, 100KVA, 125KVA 150KVA, 200KVA, 250KVA, 300KVA 400KVA, 500KVA, 1000KVA & 2000KVA/3P OIL 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, 200KVA, 250KVA, 300KVA 400KVA, 500KVA, 1000KVA & 2000KVA/3P/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 65
7	**Cooling**	**Oil cooled with Oil**
8	**Heat dissipation**	80Degree
9	**Insulation**	Class 'B'
10	**Input Voltage**	**340-480V/3Phase**
11	**Output Voltage**	**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**	60V/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	**Protection & Metering System**	●Class 1.0 digital LCD Type Voltmeter (Both Input and Output) &Frequency meter ● Class 1.0 digital LCD Type Ammeter. ● Single phase and phase reversal prevention. ● High/Low voltage protection for input and output. ● Overload protection. ● Auto restarts time setting. ● Overload cut off time setting. ● Voltage cut off time setting. ● Spike Suppressor
23	**LED Indications**	Input fail - Red LED Phase Reversal Indication (PHR) - Red LED Over load Indication (OVL) - Red LED Output ON - Green LED
24	**Oil**	Transformer oil strictly as per IS – 335 along with Test Certificate
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 cable**	Copper Winding
28	**Tank Construction**	**Modular Construction** (unique feature which no other supplier can give) Air tight oil tank is use for power items like dimmers & buck boost transformers (dipped in oil) to perform better in oil cooled. Termination for the tank is through Bakelite/porcelain bushings with a suitable rated brass rod so that dust/any foreign particle will not enter into the oil. All the parts are assembled to the top plate, which can be easily lifted out for any maintenance/ changing of carbon brush. Because of this unique feature, dimmer assembly will not be disturbed which experienced factory technicians originally set.
29	**Lifting Hooks**	10mm Thickness (MS Sheet)
30	**Oil Inlet/Air Breather**	Filler breather to fill the oil with Lock Provision
31	**Oil Outlet**	¾ " Drain Valve to be provided along with lock provision to avoid theft of oil
32	**Wheels**	Unidirectional M.S. Wheels of heavy duty.
33	**Type of Use**	**Indoor Floor Mounting**