



SERVO VOLTAGE STABILIZER (Single Phase)



An ISO 9001:2015 Certified



Specifications for Single Phase

Input Voltage Range	170-270V AC, 50 Hz
Output Voltage	230V AC 50 Hz 1Phase
Output Voltage Adjustments	220-240V AC in 1 Phase
Operating Frequency	47 to 53 Hz
Output Regulation	±1%
Correction Speed	35V/sec
Line Regulation	±1%
Load Regulation	±1%
Wave-form distortion	Nil
Power Factor Effect	Nil
Output Wave-form	True reproduction of Input
Type of Cooling	Natural Air-cooled
Mode of System	Fully Micro Controller/Manual
System Construction	As per IS:9815
Efficiency	98.5%
Response Time	10 milli sec.
Servo Motor Drive	Rugged ac step synchronous motor
Enclosure	IP 32

1 PH MCVS Dimensions (mm) (4 Model Variations)

Capacity	Width	Depth	Height	Weight/kgs
1 KVA	270	320	300	16
2 KVA	270	320	300	18
3 KVA	350	440	320	28
5 KVA	350	440	320	33
7.5 KVA	400	550	350	55
10 KVA	400	550	350	60
15 KVA	400	400	650	100

Front Panel Controls (PS-MODEL)

- 0-300 V Voltmeter
- 72 Sq. mm analog meter to read input/output volts
- Selector switch to read input/output voltages
- Auto/Manual select switch
- Potentiometer for Voltage adjustment in Auto mode
- Increase/Decrease switch to adjust the output voltage in manual mode

Protections

- High voltage protection } with Relay/ Contactor
- Low voltage protection } with Relay/ Contactor
- Overload protection } with MCB
- Short circuit protection } with MCB

Input Connection

- 1, 2 & 3 KVA - Power Card with Plug Top
- 5 KVA & above - Connectors

Micro Controller Model

- Manual & Fully Automatic

Indication on Front Panel Micro Controller (LED)

- Input ON
- Output ON
- Output CUT-OFF
- Input LOW
- Input HIGH

Output Connection

- 1, 2 & 3 KVA - Sockets
- 5 KVA & above - Connectors

