



# G.P. SYSTEM

AN ISO 9001 :2015 Certified Company

## Manufacturer of

Servo Control voltage stabilizer ( single / Three Phase ) ( Air & Oil Cool ) ( 1KVA 1000 KVA ) Isolation Transformer, Isolated & Auto Step Down Transformer ( Air & Oil Cool ), UPS, RVS, CVT, Inverter.



+91 9830461086 | +91 82409 83827



[pravat\\_gpsystem@yahoo.in](mailto:pravat_gpsystem@yahoo.in)



Aryanagar, Nabashree Bazar ( Near Shiv Mandir ), Nabagram, P.O. - Panchpota

# G.P SYSTEM

## POWER GATE

### AIR COOLED SERVO CONTROL VOLTAGE STABILIZER



### INPUT RANGE

(100-271) V.A.C for single phase.

(130-271) V.A.C for single phase.

(150-271) V.A.C for single phase.

(173-271) V.A.C for single phase.

(173-470) V.A.C for single phase.

(225-470) V.A.C for single phase.

(260-470) V.A.C for single phase.

(300-470) V.A.C for single phase.

**OUTPUT VOLT**

**: 240 V.A.C OR 415 V.A.C ( )**

**EFFICIENCY**

**: 1% Single Phase or Three Phase**

**EFFICIENCY REGULATION**

**: 99%**

**SUPPLY FREQUENCY**

**: (MAX)**

**: (47 - 53) Hz**

### ACCESSORIES :

CONTROL: 3 Phase Voltmeter for output with selector switch or Digital meter, 3 Phase Voltage, Output Amp, & P.F or. Frequency. Ammeter with CTs and selector switch, Power indication LEDs for each Phase: Input on, Input low, Input High, Output on, Output Cut-off. Output voltage adjustment pot Individual phase volt meter. Output restart. start/stop switch. Trip by pass. Tripping alarm, Increase Decrease Toggle Switches with higher And lower limit Switch. Auto/Manual selectable switch. Increase decrease switch to control the output voltage in manual mode.

### PROTECTION:

Over under volt trip. Single phase prevent with electronics system, with spike suppressor. Phase sequence. : control MCCB of suitable rating for protection against short circuit & over load).

## INDICATION :

Individual phase volt meter, i/p, o/p voltage selector switch. 3 Phase volt meter or Digital meter, 3 Phase Voltage, Output Amp.& P.F or Frequency. Ammeter with CTs and selector switch. Power indicator LEDs for each Phase: Input on, Input low, Input High, Output on, Output Cut-off.

## STEP DOWN TRANSFORMER, ISOLATED 3 PHASE (OIL COOLED), COPPER BASS

INPUT RANGE : 380-415 V.A.C  
OUTPUT VOLT : 200 V.A.C (e) 4% 3 phase  
EFFICIENCY : 95%  
EFFICIENCY REGULATION : (MAX)  
SUPPLY FREQUENCY : (47-53) Hz  
PHASE : 3 ph. 4 wire

## INDICATION :

Output 3 phase voltmeter with selector switch, ammeter with selector switch, Three phase indicator LEDs

## INDICATION :

(i/p), voltage selector 3 Phase volt meter. output load meter with CT. Three phase rotary switch. Output Voltage setting.



# G.P SYSTEM

## POWER GATE

### 350 KVA SERVO CONTROL VOLTAGE STABILIZER (OIL COOLEO TYPE)



**OUTPUT VOLT**

**EFFICIENCY**

**EFFICIENCY REGULATION**

**SUPPLY FREQUENCY**

**: 240 V.A.C OR 415 V.A.C ( )**

**1% Single Phase or Three Phase**

**: 99%**

**: (MAX)**

**: (47 - 53) Hz**

## INPUT RANGE

(100-271) V.A.C for single phase.

(130-271) V.A.C for single phase.

(150-271) V.A.C for single phase.

(173-271) V.A.C for single phase.

(173-470) V.A.C for single phase.

(225-470) V.A.C for single phase.

(260-470) V.A.C for single phase.

(300-470) V.A.C for single phase.

## ACCESSORIES :

CONTROL: 3 Phase Voltmeter for output with selector switch or Digital meter, 3 Phase Voltage, Output Amp, & P.F or. Frequency. Ammeter with CTs and selector switch, Power indication LEDs for each Phase: Input on, Input low, Input High, Output on, Output Cut-off. Output voltage adjustment pot Individual phase volt meter. Output restart. start/stop switch. Trip by pass. Tripping alarm, Increase Decrease Toggle Switches with higher And lower limit Switch. Auto/Manual selectable switch. Increase decrease switch to control the output voltage in manual mode.

## PROTECTION:

Over under volt trip. Single phase prevent with electronics system, with spike suppressor. Phase sequence. : control MCCB of suitable rating for protection against short circuit & over load).

## INDICATION :

Individual phase volt meter, i/p, o/p voltage selector switch. 3 Phase volt meter or Digital meter, 3 Phase Voltage, Output Amp.& P.F or Frequency. Ammeter with CTs and selector switch. Power indicator LEDs for each Phase: Input on, Input low, Input High, Output on, Output Cut-off.

## 10 KVA SERVO CONTROL VOLTAGE STABILIZERS, SINGLE PHASE, (AIR COOLED) COPPER BASE

OUTPUT VOLT : 220 V.A.C (45) 1% Single Phase.  
EFFICIENCY : 99%  
EFFICIENCY REGULATION : (MAX)  
SUPPLY FREQUENCY : (47-53) Hz

## INPUT RANGE

(100-271) V.A.C for single phase.

(130-271) V.A.C for single phase.

(150-271) V.A.C for single phase.

(173-271) V.A.C for single phase.

## INDICATION :

CONTROL : Auto Manual selector or switch, input/output voltage selector, Lower/rate selector switch Output Voltage adjustment pot, Individual phase volt meter with selector switch. Output restart. START/ STOP switch, Trip by pass, Tripping alarm

## INDICATION :

Over under volt trip. Single phase prevent wun electronics system, with Spike suppressor. Control MCCB (for protection against sort circuit & over load.

## INDICATION :

Output on, Over/under volt individual phase volt meter (//P, O/P vonage selecor) Phase VOLT meter output load meter





## TECHNICAL SPECIFICATION OF AUTOMATIC POWER FACTOR CORRECTION CONTROL PANEL -

### Active Harmonic Filter

Passive Harmonic Filter - 7% or 14% detuned  
Reactor with Power Capacitor Hybrid Filter-combination  
of active and passive filters, Capacitor Switching Capacitor  
duty contactor and thyristor switching modules.

Improved power quality ensures fewer breakdowns.  
improved plant productivity reduced electricity bills.

**Automatic Power Factor Correction Control Panel**

# G.P SYSTEM

## POWER GATE

### AUTO STEP DOWN TRANSFORMER ( OIL COOLED TYPE ) COPPER BASS.



INPUT RANGE	: 380-415 V.A.C
OUTPUT VOLT	: 200 V.A.C () 4% 3 Phase
EFFICIENCY	: 95%
EFFICIENCY REGULATION	: ( MAX )
SUPPLY FREQUENCY	: 95%
phase	: 3 ph. 4 wire

### ISOLATION TRANSFORMER ( OIL COOLED TYPE ) 3 PHASE. COPPER BASS.



INPUT	: 415 VAC. ( STAR CONNECTION )
OUTPUT VOLT	: 415 VAC. () 4%
EFFICIENCY	: 99%

# G.P SYSTEM

## POWER GATE

### 100 KVA SERVO CONTROL VOLTAGE STABILIZER, 3 PHASE



#### INPUT RANGE

(130-271) V.A.C for single phase.

(173-271) V.A.C for single phase.

(173-470) V.A.C for three phase.

(225-470) V.A.C for three phase.

(260-470) V.A.C for three phase.

(300-470) V.A.C for three phase.

**OUTPUT VOLT** : 240 V OR 415 V.A.C ( ) 1% 3 Phase  
**EFFICIENCY** : 95%  
**EFFICIENCY REGULATION** : ( MAX )  
**SUPPLY FREQUENCY** : ( 47-53 ) Hz

### 30 KVA SERVO CONTROL VOLTAGE STABILIZER, 3 PHASE, ( AIR COOLED )

#### INPUT RANGE

(130-289) V.A.C for single phase.

(170-289) V.A.C for single phase.

(270-500) V.A.C for three phase.

(300-500) V.A.C for three phase.

**OUTPUT INPUT** : 240 V OR 415 V.A.C ( ) 1% 3 Phase  
**EFFICIENCY** : 99%  
**EFFICIENCY REGULATION** : ( MAX )  
**SUPPLY FREQUENCY** : (47-53) Hz



# THREE PHASE SERVO VOLTAGE STABILIZER IS TECHNICAL SPECIFICATIONS

COMPONENT LIST		
sl.	Description	Technical Specifications
1	Mode Of operation	Auto
2	Suitability Type	Three Phase Balanced Supply and Load
3	Control Circuit	Glass epoxy control card for easy serviceability)
4	Input Ranges	Three Phase 260/300/340V—470/500V AS REQUIRED
5	Input Frequency	47 to 53 Hz
6	Output Voltage Range	Three Phase 380/400/415V +/-1% AS REQUIRED
7	Accuracy/ Regulation	+/- 1%
8	Output Frequency	50Hz.
9	Output Waveform	True to Input
10	Voltage Correction Speed	6V to 40 Volts
12	CABINET WITH TANK	14,16,18 SWG/ANGLE FRAME
13	Response Time	Less than 10m/Sec
14	Type of Cooling	Oil
15	Operating Temperature	' 45°C above ambient
16	Insulation Class	Class B to F
17	Duty Cycle	100% Continuous
18	Efficiency	> - 98%
19	Auto Transformer	Copper Electrolytic Grade, Heavy Duty
20	Buck Boost Transformer	copper, Heavy Duty
21	Servo Motor	High Torque, quick Response
22	Auto Protection	CONTACTOR & MCB for Short circuit,L&T
23	Indications	Over Voltage, Auto Reset, Mains on/ Under Volt/Over load/over volt
24	Load Application	Capacitive. Resistive, any Combination of the load
25	Quality Process	ISO : 9001:2015
26	Bypass	Toggle Switch

## STEP DOWN TRANSFORMER, SINGLE PHASE ( AIR COOLED )



INTERNAL SECTION OF SERVO CONTROL  
VOLTAGE STABILIZER

## 20 KVA SERVO CONTROL VOLTAGE STABILIZER, 3 PHASE, ( AIR COOLED )

### INPUT RANGE

(130-289) V.A.C for single phase.

(170-289) V.A.C for single phase.

(270-500) V.A.C for three phase.

(300-500) V.A.C for three phase.

**OUTPUT INPUT** : 240 V OR 415 V.A.C ( ) 1% 3 Phase

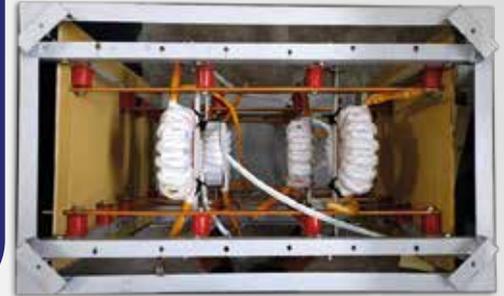
**EFFICIENCY** : 99%

**EFFICIENCY REGULATION** : ( MAX )

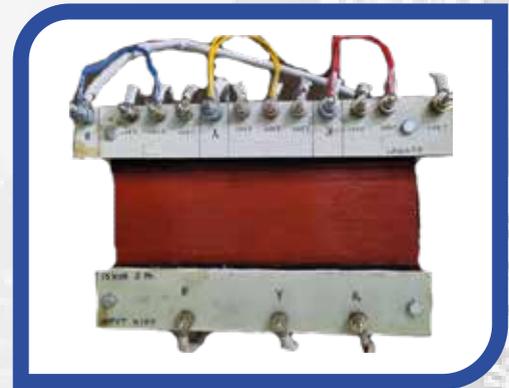
**SUPPLY FREQUENCY** : (47-53) Hz



**STEP DOWN TRANSFORMER, SINGLE PHASE  
( AIR COOLED )**



**INTERNAL SECTION OF SERVO CONTROL  
VOLTAGE STABILIZER**



**20 KVA SERVO CONTROL VOLTAGE STABILIZER,  
3 PHASE, ( AIR COOLED )**



## SERVO CONTROL VOLTAGE STABILIZER

COMPONENT LIST :		
Sl.	Name	Make
1	CONTROL CIRCUIT	SELF
2	RELAY	PLA/TAKUMI
3	CONTROL WIRING	COPPER(23/36SUG)
4	MCCB	L&T
5	BUCK BOOST TRANSFORMER	SELF(COPPER)
6	VARIAC(AUTO TRANSFORMER)	POWER STACK
7	I/PO/P POWER CABLE	COPPER(FINOLEX,MES CAB)
8	CABLE SOCKET	JUNCTION COPPER
9	MOTOR	ABP(J E,HIGH TORQUE)
10	CABLE GLAND	A.C.D.C
12	CABINET WITH TANK	14,16,18 SWG/ANGLE FRAME
13	CABINET COLOUR	OFF-WHITE POWDER COATED
14	SENSING TRANSFORMER	SELF
15	VOLT METER	AUTOMATIC ELECTRIC
16	DIGITAL METER	L&T
17	TRANSFORMER OIL	POWER OIL
18	CONTACTOR	L&T
19	SWITCH	R.G.K/GILLARD
20	POT	PANKAJ
21	PUSH SWITCH	L&T
22	BUZZER	SUPER TOP
23	I/PO/P & N TERMINAL	COPPER BUS BAR/TERMINAL

GP System has years of experience creating unparalleled products and have marked our presence in the Power Products industry. Our Servo Voltage stabilizers are created and tested in accordance with IS 9815-94 standards. Our products which have been tested accepted and are in use by leading manufacturers in private and public sector. We have grown significantly and have established a strong relation with our clients across the country. The confidence of our customers upon us is the result of our strict adherence to quality with a customer centric approach. We avail our products maintaining the highest quality standards at the most competitive prices.



+91 9830461086 | +91 82409 83827



pravat\_gpsystem@yahoo.in



Aryanagar, Nabashree Bazar ( Near Shiv Mandir ), Nabagram, P.O. - Panchpota



www.gpsystem.in

**G.P SYSTEM**  
**POWER GATE**