

SERVO VOLTAGE STABILIZERS

GESBZ - THREE PHASE AUTOMATIC SERVO VOLTAGE STABILIZERS

Servo Voltage Stabilizers are servo drive equipment, controlled by microcontroller used to maintain the stable voltage in the power system, even in the case of voltage fluctuations. The control element basically converts the unregulated input to the regulated output.

RANGE:

From 3kVA Up to 3000kVA

RATED VOLTAGE:

Single phase 110-115-120-127-220-230-240 VAC

Three phase 220-230-240-380-400-415-440 VAC

Protection Degree: IP20, IP21, IP54,

Reference Standards: IEC 62040-1



TECHNICAL SPECIFICATIONS

- GESBZ series are three phase voltage stabilizers regulate mains voltage and bring many advantages.
- Non-linear charges drive
- 3 phase input 3 phase output
- Independent phase regulation
- Wide power and voltage interval
- Fast Regulation
- High reliability thanks to Microprocessor and Smart Driver
- High efficiency
- Load transfer to Bypass via pole charge switch
- Safe and economic usage
- Overload protection
- Digitally displayed status, input & output measurements



TEHNICAL DETAILS

TYPE	3 SVS	6 SVS	10,5 SVS	15 SVS	22,5 SVS	30 SVS	45 SVS	60 SVS	75 SVS	100 SVS	120 SVS	150 SVS
Power kVA	3	6	10,5	15	22,5	30	45	60	75	100	120	150

STABILIZER INPUT

In.Vol.Correct.Interval	285 - 440 VAC (Optional: 190-415VAC)											
Operation Frequency	47...65 Hz											
Line Input Protection	Overcurrent, Low and High voltage protection											
Input Current	4.8	9.6	16.8	24	36	48	72	96	120	161	192	240

STABILIZER OUTPUT

Output Voltage	380 / 400 / 415 VAC RMS \pm %1											
Overloading	10 Sec. % 200 Load											
Correction Speed	~ 90 Volt / Sec.											
Upturn Period	~ 90 Volt / Sec. (160 VAC - 250 VAC)											
Output Protection	Protects load by opening the circuit when overburden, short circuit occurs.											
Output Current	3.6	7.2	12.6	18	27	36	54	72	90	121	144	180

WORKING MODE

Servo Motor, Microprocessor Controlled, Full Automatic

GENERAL SPECIFICATION

Cooling	Smart Fan System
Measured Value Monitor.	TRUE RMS Panel Voltmeter (74x74 mm) output voltage and line voltage monitorization
Total Harmonic Distortion	-
Total Efficiency	> % 96
Mechanical By-Pass	"Manually Controlled Line - Voltage Regulator" Switch Turn On / Off
Protection Level	IP 20 / IP 54 (Optional)

ENVIRONMENT CONDITION

Working Temperature	-10 °C / 50 °C
Storage Temperature	- 25 °C / +60 °C
Relative Humidity	< % 90, DIN (40040)
Working Altitude	< 2000 m.
Acoustic Level	< 50 dB

DIMENTIONS* (cm)

HxWxD (cm)	117x40x64				127x40x64			140 x 88 x 60			165x94x66	
Weight (kg)	75	85	95	105	125	145	165	260	280	310	400	425

*All dimensions are in "cm" and will be confirmed at the time of order.

NOTE: We will reserve the right to change and improve the products at any time to our own discretion and without notice.
All descriptions, pictures and data included in the catalogues are not binding.

TEHNICAL DETAILS

TYPE	200 SVS	250 SVS	300 SVS	400 SVS	500 SVS	600 SVS	800 SVS	1000 SVS	1250 SVS	1500 SVS	2000 SVS	2500 SVS	3000 SVS
Power kVA	200	250	300	400	500	600	800	1000	1250	1500	2000	2500	3000
STABILIZER INPUT													
In.Vol.Correct.Interval	285 - 440 VAC (Optional: 190-415VAC)												
Operation Frequency	47...65 Hz												
Line Input Protection	Overcurrent, Low and High voltage protection												
Input Current	323	404	484	646	808	968	1292	1616	2020	2424	3232	4040	4848
STABILIZER OUTPUT													
Output Voltage	380 / 400 / 415 VAC RMS \pm %1												
Overloading	10 Sec. % 200 Load												
Correction Speed	~ 90 Volt / Sec.												
Upturn Period	~ 90 Volt / Sec. (160 VAC - 250 VAC)												
Output Protection	Protects load by opening the circuit when overburden, short circuit occurs.												
Output Current	243	303	363	484	606	729	972	1215	1515	1818	2430	3030	3645
WORKING MODE													
	Servo Motor, Microprocessor Controlled, Full Automatic												
GENERAL SPECIFICATION													
Cooling	Smart Fan System												
Measured Value Monitor.	TRUE RMS Panel Voltmeter (74x74 mm) output voltage and line voltage monitorization												
Total Harmonic Distortion	-												
Total Efficiency	> % 97												
Mechanical By-Pass	"Manually Controlled Line - Selects Voltage Regulator" Switch Turn On / Off												
Protection Level	IP 20												
ENVIRONMENT CONDITION													
Working Temperature	-10 °C / 50 °C												
Storage Temperature	- 25 °C / +60 °C												
Relative Humidity	< % 90, DIN (40040)												
Working Altitude	< 2000 m.												
Acoustic Level	< 55 dB												
DIMENSIONS° (cm)													
HxWxD (cm)	200x120x80			200x175x80		175 x 180 x 122		208x210x144	185x210x214	208x240x214	188x240x264	208x240x264	SPECIAL
Weight (kg)	1050	1100	1200	1650	2000	2100	2900	3450	3900	4300	6000	SPECIAL	

*All dimensions are in "cm" and will be confirmed at the time of order.

NOTE: We will reserve the right to change and improve the products at any time to our own discretion and without notice. All descriptions, pictures and data included in the catalogues are not binding.



GRUPPO ENERGIA srl

Via Cavezzo, 36 - 25045 Castegnato (Bs) - Italy
Phone: +39 030 320 301- Fax: +39 030 2411 006
Mobile +39 348 007 6538 / +39 389 619 1385

www.gruppoenergia.com

mail: info@gruppoenergia.com