



GOMEH UPS POWER SYSTEMS



Protector Automatic Servo Voltage Stabilizer 5 - 5000 kVA Technical Specifications

GENERAL		
Phase	Single-Phase	Three-Phase
Technology	Full Automatic Servo Motor and Variac Based Regulation	
Control	Microprocessor Controlled	
INPUT		
AC Voltage	220/230/240 Vac (or 110/120/127 Vac)	380/400/415 Vac (or 208/480/600 Vac)
Voltage Ranges	±20% (Narrow Range) -30%, +20% (Standard Range) -45%, +20% (Wide Range)	
Frequency	40 - 70 Hz	
Input Protection	Input MCB or Fuse, Lightning Protection, Phase Sequence Protection	
OUTPUT		
Output Voltage	220/230/240 Vac (or 110/120/127 Vac)	380/400/415 Vac (or 208/480/600 Vac)
Output Accuracy	±0.5%	
Output Frequency	Same as Input Frequency	
Up and Low Limits	Digitally Adjustable	
Start Delay	Digitally Adjustable (1 sec accuracy)	
Variac Material	Pure Copper	
Transformer Material	Al or Pure Copper (as per request)	
Harmonic Distortion	0 % THDv, 0 % THDi	
Maintenance By-pass	Manual Switch Selector	
Automatic By-pass	Electronic Controlled	
Recovery Time	90 ms at 170-220 Vac	
Overload Operation	100% - 125% load: 30 min, 125% - 150% load: 3 min, > 150% load: 20 sec	
Output Protection	Overload / Over Temp / Short Circuit / Over and Low Voltage Protections	
Efficiency	>98% at Full Load	
CONTROL PANEL		
Display	2x16 LCD Mimic Diagram (10" touchscreen is optional)	
Displayed Parameters	Upper/Lower Limits, Input/Output Voltage Adjustment, Password Protected	
Displayed Units	Input/Output Voltage, Frequency, Input/Output Current, Alarm Log (Optional) Operation Time (S:M:H) (Optional), Delay Timer	
Event Log	500 Events Recorded (Optional)	
COMMUNICATION		
Optional	MODBUS, CANBUS, Dry Contacts, SNMP (Ethernet)	
Alarms	Audible and Visual Alarms	
LED Indicators	Input/Output Low/High, Overload (Optional)	
SAFETY and STANDARDS		
Over Voltage	40kA Surge Arrestor	
Interference Reduction	Class B	
Standards	2014/35/EU Low Voltage Directive, 2014/30/EU EMC Directive, ISO 9001, CE	
ENVIRONMENT		
Heat and Humidity	-10 C° / + 65 C°, 0 - 90% (non-condensing)	
Noise Level	Less than 65 dB at 1 mt	
Protection Level	IP21 (higher protection levels are available on request)	
Cooling	Forced Air Cooling with Axial Fans or Natural Air Cooling	
Cabinet Color	RAL 7035 Standard (all colors are available on request)	

Highlights

- Automatic Servo Motor Control
- Microprocessor Controlled
- Control Panel for Each Phase
- LCD Panel for Measurements
- 200 Vac / sec Correction Speed
- Wide Range of Input Voltage
- 0.5% Output Tolerance
- High Efficiency (98%)
- 250 C Resistant Transformer Windings
- High Speed Correction
- Smart Fan Cooling
- Sound and Light Alarm Indicator
- Adjustable Start Delay
- Adjustable Upper and Lower Limit
- Automatic Restart After Power Outage
- Standard By-Pass Switch
- High Quality Motor and Brushes
- 2 Years Warranty

General Features

Microprocessor controlled servo type voltage stabilizer provides excellent voltage regulation, stable voltage to your critical loads like industrial and military devices, CNC machine tools, elevators, medical system etc.

Selectable voltage range, low voltage window can go up to 90 Vac to protect your load even in critical voltage levels. LCD screen to show output and input voltage, current, frequency. Each phase is controlled by separate control panel provides long lasting operation and low maintenance.