

Electronic Servo AVR (Single Phase)

PS single phase series



Specially for single phase CNC industrial and computer/instrument equipment

Single Phase Electronic Servo AVR is suitable for all kinds of single phase load and premises. The product lines have complete series and are all CE certified. The products are light, thin and small in size and are environment friendly conceptual models. The products have patented bypass device and continuous stepless voltage regulation design. The products are highly accepted and welcome by CNC industry, computer and instrument industries.

Feature:

- Input range is $\pm 15\%$ ($\pm 20\% \sim \pm 40\%$ can be customized)
- Output accuracy is within $\pm 1\%$
- Self-detecting function
- Continuous stepless regulator design
- No distortion
- Overload, short circuit protect device
- Start over voltage protection
- Powerful overload 150% ability
- Front panel with LED indicator displayed (5~10KVA)
- With O/P voltmeter to monitor O/P voltage
- High Efficiency $\geq 98\%$
- Innovative panel design
- Compact size & easy to operate
- With bypass device

❖ Application:



AOI Test Machine



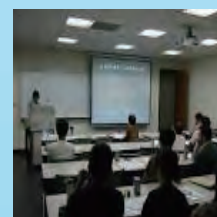
Inspect Instrument



Office IT Equipment



Computer Classroom



Multimedia Equipment



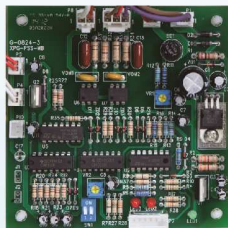
Gas Station

Instrument Lamp Indicating



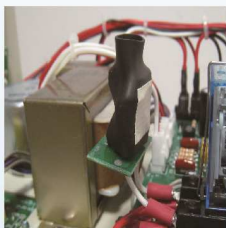
The latest power conditions are indicated by voltmeter, High/Low and normal indicator

Precise Main Control PCB



With multiple functions, including self-detection, High/Low voltage protection and voltage regulation

With Surge Protection



Having lightning surge protection element to protect equipment

SOVP Device



Whether it is switched on or recover from power outage, the Start Over Voltage Protection will always re-start from low voltage, won't have high voltage output

Bypass Protection Device



All models are equipped with bypass protecting device, so as to keep the equipment installed with the AVR free from any damage

Model & Specification:

Model No. (PS-)		103 AS/BS/CS	105 AS/BS/CS	107 AS/BS/CS	110 BS/CS
Capacity (KVA)		3	5	7.5	10
Voltage		AS:1 ϕ 2W 110V series (I/P and O/P are the same) BS:1 ϕ 2W 220V series (I/P and O/P are the same) B3:1 ϕ 2W 380V series (I/P and O/P are the same) CS:1 ϕ 2W or 1 ϕ 3W 110V or 220V series (with isolated type transformer) C3:1 ϕ 3W 110V-0-110V series (I/P and Output are the same) C5:CS with special specification			
Input Range		Nominal Voltage: $\pm 15\%$ ($\pm 10\%$, $\pm 20\%$, $\pm 25\%$ can be customized) Frequency: 50/60Hz $\pm 5\%$			
Output Accuracy		$\leq 1\%$			
Efficiency		$> 98\%$			
Response Time		< 0.1 Second			
Distortion		No distortion (the same with input waveform)			
Protection	High Voltage	Option			
	Low Voltage	Option			
Bypass		Standard Feature			
Indicators	Voltmeter	Standard Feature			
	Ammeter	—	Standard Feature		
Overload Ability		150% for 10 seconds			
Environment		Temperature: 0℃ \sim 45℃ Humidity: 0% \sim 95% RH (Non-Condensing)			