

# NEPTUNE LS 1000-5000VA

## Microprocessor Servo Stabilizer/AVR



### Features

- Automatic Voltage Stabilizer / Servo AVR
- Advanced Digital Microprocessor Control
- Input Voltage Range 220Vac (140-260Vac)
- Output Regulation 220Vac  $\pm 1/3\%$  (Selectable)
- Output Over&Under Voltage Protection
- LCD Display friendly function
- LCD Display Input voltage, Output Voltage, Load current and Working Status
- Short Circuit & Over Load Protection
- Selectable Output Delay Function 6/180 ms
- Built-in Toroid Transformer CRGO.
- High Efficiency Stabilizer >98%(CRGO)
- EMI & RFI Noise Filter Atten -60dB
- Surge, Spike and Lightning Protection Energy 165 Joules (8/20 $\mu$ s IC=6500A)
- National Output Plug / Terminal (3000-5000VA)
- CE Certificate LVD: IEC60950, EMC:IEC55024
- ISO9001 / ISO14001:2015 MFG Certification



#### Microprocessor Control:

Advanced Digital controlled technology enable Stabilizer/AVR more stable performance and with better quality.



#### Servo Motor Control:

Control output voltage 220V  $\pm 1\% / 3\%$



#### LCD Display:

Digital LCD display Input voltage Output voltage, Output current and working status with stabilizer.



#### Stabilizer/AVR:

Automatic voltage stabilizer/AVR when the input under voltage, over voltage, surge, drift and swell.

### Application



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## Microprocessor Servo Stabilizer/AVR

### FRONT PANEL



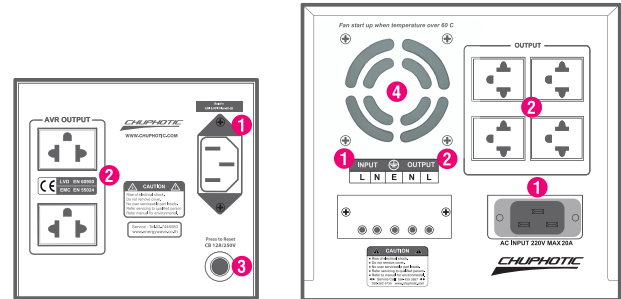
#### LS1000-LS2000

1. LCD Display
2. Delay Output switch

#### LS3000-LS5000

3. Precision output  $\pm 1/3\%$
4. Input switch/Breaker

### REAR PANEL



#### LS1000-LS2000

1. Input Inlet / Terminal
2. Output Plug / Terminal

#### LS3000-LS5000

3. Input Circuit Breaker
4. DC Fan

### SPECIFICATIONS

Model		LS1000	LS1500	LS2000	LS3000	LS5000
CAPACITY	VA/W (pt 0.8)	1000/800	1500/1200	2000/1600	3000/2400	5000/4000
TECHNOLOGY	System	Microprocessor control & Servo Toroid Transformer (CRGO)				
INPUT	Input Voltage	Single Phase, 220Vac (140-260Vac)				
	Input Frequency	45-65 Hz (50/60 Hz)				
OUTPUT	Output voltage	Single Phase, 220 Vac $\pm 1\% / 3\%$ (selectable)				
	Output Frequency	45-65Hz (50/60Hz)				
	Efficiency (%)	>98%				
	Output Delay	Selectable switch 6/180 ms Depend Load Application				
	Over/Under Voltage	Automatic Cutoff				
	Overload/Short Circuit	Auto reset Breaker			Circuit Breaker	
PROTECTION	High Temperature	Yes			Yes (Fan speed automatic)	
	Noise Filter	EMI&RFI Filter Full time suppression -60 dB				
	Clamping voltage	370Vpeak/1,000,000W : 100 us				
	Energy Rating	Energy 165 Joules,L - N (8/20 $\mu$ s IC=6500A)				
CONNECTION	Inlet Power Cord	NEMA 5-15 P / IEC320-C13			NEMA 5-15 P / IEC320-C19 +Terminal	
	Outlet	2Pcs x National			4Pcs x National + Terminal	
INDICATOR	LCD Display	Input Voltage, Output Voltage, Load Current and Working Status				
STANDARD	Safety/EMC	CE, LVD : IEC60950, EMC : IEC55024				
	Manufacturer	QMS : ISO9001:2015, ISO14001:2015				
ENVIRONMENT	Temperature	0-45 °C				
	Humidity	0-95%(Non-Condensing)				
	Attenuation	Less than 40 dB(at 1 mater)				
PHYSICAL	Dimension(WxDxH)mm	190x270x160			220x330x225	
	Weight(Kg)	5.8	6.6	6.6	16.4	16.4

\* All specification are subject to change without prior notice.

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บริษัท ชูฟอทิก จำกัด

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