

# NEPTUNE LS 1000-5000VA

## Microprocessor Servo Stabilizer/AVR



### Microprocessor Control:

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



### Servo Motor Control:

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



### 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.

## Features

- Automatic Voltage Stabilizer/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 -60dB
- Surge, Spike and Lightning Protection 165 Joules (IC=6500A)
- National Output Plug / Terminal (3000-5000VA)
- CE Certificate LVD: EN60950, EMC: EN55024
- ISO9001 / ISO14001 Manufacturer Certificate

## Application



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## Microprocessor Servo Stabilizer/AVR

### FRONT PANEL



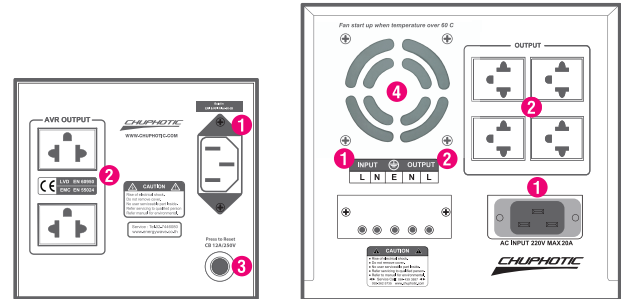
**LS1000-LS2000**

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 (pf 0.8)          | 1000/800                                                       | 1500/1200 | 2000/1600 | 3000/2400                           | 5000/4000                 |
| TECHNOLOGY       | System                 | Microprocessor control & 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 +/-1/3%(selectable)                      |           |           |                                     |                           |
|                  | Output Frequency       | 50/60 Hz                                                       |           |           |                                     |                           |
|                  | Efficiency (%)         | >98%                                                           |           |           |                                     |                           |
|                  | Output Delay           | Selectable switch 6/180 ms                                     |           |           |                                     |                           |
|                  | Over /Under Voltage    | Automatic cut-off                                              |           |           |                                     |                           |
|                  | Overload/Short Circuit | Auto reset circuit breaker                                     |           |           | Circuit Breaker                     |                           |
|                  | PROTECTION             | High Temperature                                               | Yes       |           |                                     | Yes (Fan speed automatic) |
| Noise Filter     |                        | EMI&RFI Full time suppression -60 dB                           |           |           |                                     |                           |
| Clamping voltage |                        | 370Vpeak/1,000,000W :100 μs                                    |           |           |                                     |                           |
| Energy Rating    |                        | 165 Joules, L-N (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: EN60950, EMC: EN55024                                 |           |           |                                     |                           |
|                  | Manufacturer           | ISO9001:2015, ISO14001:2015                                    |           |           |                                     |                           |
| ENVIRONMENT      | Temperature            | 0-45 °C                                                        |           |           |                                     |                           |
|                  | Humidity               | 0-95%(Non-Condensing)                                          |           |           |                                     |                           |
|                  | Attenuation            | Less than 40dB(at 1 meter)                                     |           |           |                                     |                           |
| 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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