



# AUTOMATIC VOLTAGE STABILIZER / AVR

## NEPTUNE LT Series Three-phase

### Servo motor control Voltage stabilizer 3

### Phase 4 wire system Advanced technology

Microprocessor control, High accuracy, Low power consumption, Heavy duty with fully protection

### FEATURE

- Three Phase four wire Voltage Stabilizer/AVR
- Advanced Digital Microprocessor Technology
- Wide Input voltage range  $380 \text{ VAC} \pm 25\%$
- Output regulation precision  $380 \text{ VAC} \pm 3\%$
- Output Over/ Under Voltage Protection
- Short Circuit/ Over Load Protection
- High Temperature protection
- Auto-reset with Delay function 6/180 Sec.
- Built-in Hi precision Servo motor
- Spike and Surge Protection (Option Surge protector)
- LED display Output Voltage/ Current



### APPLICATION



### SPECIFICATION

| DESCRIPTION |                      | MODEL                                                         | LT-10KVA | LT-15KVA | LT-20KVA    | LT-30KVA | LT-6KVA                   | LT-45KVA        | LT-60KVA     | LT-90KVA |
|-------------|----------------------|---------------------------------------------------------------|----------|----------|-------------|----------|---------------------------|-----------------|--------------|----------|
| CAPACITY    | KVA / KW             | 10 / 8                                                        | 15 / 12  | 20 / 16  | 30 / 24     | 6 / 4.8  | 45 / 36                   | 60 / 48         | 90 / 72      |          |
| TECHNOLOGY  | System               | µP Technology                                                 |          |          |             |          | Digital                   |                 |              |          |
| INPUT       | Voltage              | Three Phase , 260-430 VAC                                     |          |          |             |          | Three Phase , 280-450 VAC |                 |              |          |
|             | Frequency            | 50/60 Hz                                                      |          |          |             |          |                           |                 |              |          |
| OUTPUT      | Voltage              | Three Phase , 380 VAC +3%                                     |          |          |             |          |                           |                 |              |          |
|             | Frequency            | 50/60 Hz                                                      |          |          |             |          |                           |                 |              |          |
|             | Efficiency (%)       | > 98%                                                         |          |          |             |          | > 95%                     |                 |              |          |
|             | Outlets              | Terminals                                                     |          |          |             |          |                           |                 |              |          |
| PROTECTION  | Over / Under Voltage | Output 433 / 225 V., Alarm-cut off                            |          |          |             |          | 433 V. High Alarm-cut off |                 |              |          |
|             | Overload             | Circuit Breaker                                               |          |          |             |          |                           |                 |              |          |
|             | Short Circuit        | Circuit Breaker                                               |          |          |             |          |                           |                 |              |          |
|             | High Temperature     | Yes at 120 °C                                                 |          |          |             |          | Yes at 120 °C             |                 |              |          |
|             | Surge & Spike        | MOV / (Option) Surge Protection                               |          |          |             |          | MOV                       | Surge Protector |              |          |
| RESPONSE    | Time (Sec.)          | <1sec.against 10% input voltage deviation                     |          |          |             |          |                           |                 |              |          |
| INDICATOR   | LED Display          | Input / Output Voltage / LED Power on , Delay , Output supply |          |          |             |          |                           |                 |              |          |
| STANDARD    | Safety/EMC           | CE, EN60950, EN55024                                          |          |          |             |          |                           |                 |              |          |
| ENVIRONMENT | Temperature          | 0-40 °C                                                       |          |          |             |          |                           |                 |              |          |
|             | Humidity             | 0-95%(Non-Condensing)                                         |          |          |             |          |                           |                 |              |          |
| PHYSICAL    | Dimension(WxDxH) mm  | 845x445x410                                                   |          |          | 845x445x410 |          | 400x350x740               |                 | 520x620x1050 |          |
|             | Weight(Kgs)          |                                                               | 57.8     | 62.3     | 88.4        | N/A      |                           | N/A             | N/A          | N/A      |

Specification are subject to change without prior notice.

Neptune AVR LT Sr. V1.00



Full Protection



Digital  $\mu\text{P}$



LED Display



Stabilizer/AVR

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