

Wise

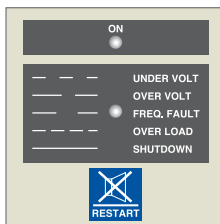
POWER LINE CONDITIONER AND AUTOMATIC VOLTAGE STABILIZER

- Microprocessor controlled tap switching voltage regulator/ power line conditioner
- Current zero crossing switching
- 6 Taps change system
- Input voltage is 220 Vac (L-N) -25% +23%
- Output voltage is 220 Vac (L-N) 5%
- Pure sine wave output
- Crest factor ratio 6:1
- LED status display for Wise 500 and Wise 1000 model
- 7-Segment LED and digital display for Wise 3000 and Wise 5000 model
- Voltage and current digital meter monitoring for Wise 3000 and Wise 5000 model
- Surge, spike, sag and brownout protection
- Total solution EMI/RFI and power line noise protection
- Overload and short circuit protection
- Over voltage and under voltage protection

7-Segment LED and digital meter display



LED status display



Wise 500
Wise 1000



Wise 3000
Wise 5000

POWER LINE CONDITIONER AND AUTOMATIC VOLTAGE STABILIZER

LEONICS Wise-series is designed and manufactured by most advanced technology with microprocessor as the most reliable automatic voltage regulator (AVR) to protect your electrical equipments such as IT network, PABX, medical and scientific equipment, security system, stereo etc. from surge, spike, sag, noise, EMI, RFI, voltage fluctuation and frequency drift.



Wise POWER LINE CONDITIONER AND AUTOMATIC VOLTAGE STABILIZER

SPECIFICATIONS

| MODEL | | Wise 500 | Wise 1000 | Wise 3000 | Wise 5000 |
|--------------------------------------|--|---|---|--|--------------|
| RATED POWER | Pf. = 1 | 500 VA / 500 W | 1 kVA / 1 kW | 3 kVA / 3 kW | 5 kVA / 5 kW |
| SYSTEM | Topology | Single phase stabilizer with microprocessor controlled | | | |
| | Number of taps | 6 taps | | | |
| | Crossing technique | zero current crossing | | | |
| INPUT | Voltage | 220 Vac -25% +23% | | | |
| | Frequency | 50 / 60 Hz ± 6% (auto sensing) | | | |
| | Wave form | pure sine wave | | | |
| OUTPUT | Voltage | 220 Vac ± 5% | | | |
| | Frequency | synchronize with input | | | |
| | Wave form | pure sine wave (sinusoidal) | | | |
| | Total harmonic distortion | less than 0.3% THD | | | |
| | Overload capability | 100% for continuous load 125% for 22 min. 150% for 11 min. 175% for 2 min. 200% for 44 sec. more than 250% for 10 sec. | 100% for continuous load 150% for 11 min. 300% for 1 cycle | | |
| | Crest factor ratio | 6:1 | | | |
| EFFICIENCY | AC to AC (at full load) | more than 96% | | more than 97% | |
| SYSTEM PROTECTION | Overload | automatic shutdown with manual restart | | | |
| | Over / under voltage | automatic shutdown with auto restart | automatic shutdown with manual restart or auto restart (selectable) | | |
| | Frequency fault | audible and visual alarm | | audible alarm | |
| | Short circuit | fuse | | circuit breaker | |
| | Surge energy dissipation | 320 joules (6.5 kA) | | | |
| | Surge clamping voltage | 370 Vp | | | |
| | Power dissipation | 1,000,000 W within 100 microsec. | | | |
| | EMI / RFI dissipation | 100 kHz - 80 MHz | | | |
| | Attenuation | more than 36 dBA | | | |
| MANUAL CONTROLS | Maintenance bypass switch | no | | option | |
| INDICATOR | Front panel LED's | power on, alarm (over voltage, under voltage, frequency fault, overload, shutdown) | | power on, maintenance bypass, alarm, input voltage, output voltage | |
| | Digital meter monitoring (3 digit 7-segment LED) | no | | input / output voltage, output current | |
| AUDIBLE ALARM WITH RESET FOR SILENCE | Overload | - - - - - | | 0.2 sec. - 0.2 sec. | |
| | Over voltage | _____ | | 3 sec. - 0.2 sec. | |
| | Under voltage | - - - - - | | 0.2 sec. - 3 sec. | |
| | Frequency fault | _____ | | 4 sec. - 4 sec. | |
| | Overload shutdown | _____ | | | |
| ACOUSTIC NOISE | At 1 metre | less than 30 dBA | | | |
| ENVIRONMENT | Temperature | 0°C to 45°C | | | |
| | Humidity | 0 - 95% (non-condensing) | | | |
| DIMENSIONS | W x H x D (cm.) | 11 x 15 x 26 | 12 x 16.5 x 34 | 18 x 35 x 45 | |
| WEIGHT | Approximate in kg. | 5.2 | 9.2 | 36 | 40 |

Continuous product development is our commitment. In that manner, the above specifications may be changed without prior notice.

Authorized Distributor: